

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011020.D
 Acq On : 27 Jun 2019 15:01
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:24:49 AM

Quant Time: Jun 28 01:47:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	372779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162304	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	13572	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	
35) Dibromofluoromethane	7.88	113	10159	4.83	ug/l	0.00
Spiked Amount			Recovery	=	9.66%	
50) Toluene-d8	10.32	98	40503	4.39	ug/l	0.00
Spiked Amount			Recovery	=	8.78%	
62) 4-Bromofluorobenzene	12.62	95	15246	4.54	ug/l	0.00
Spiked Amount			Recovery	=	9.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	7551	3.755	ug/l	98
3) Chloromethane	2.21	50	11766	4.052	ug/l	98
4) Vinyl Chloride	2.36	62	14685	5.202	ug/l	98
5) Bromomethane	2.77	94	7616	4.979	ug/l	97
6) Chloroethane	2.92	64	7159	4.323	ug/l	92
7) Trichlorofluoromethane	3.24	101	3902	1.225	ug/l	89
8) Diethyl Ether	3.68	74	6737	5.176	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11980	5.328	ug/l	96
10) Methyl Iodide	4.27	142	16125	7.476	ug/l	98
11) Tert butyl alcohol	5.17	59	6332	29.812	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	12411	5.626	ug/l	98
13) Acrolein	3.89	56	4324	42.506	ug/l	96
14) Allyl chloride	4.66	41	18896	4.084	ug/l	97
15) Acrylonitrile	5.36	53	16455	25.687	ug/l	97
16) Acetone	4.12	43	18700	26.676	ug/l	94
17) Carbon Disulfide	4.39	76	32123	4.644	ug/l	99
18) Methyl Acetate	4.67	43	10228	6.581	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	17399	3.011	ug/l	94
20) Methylene Chloride	4.92	84	16917	6.749	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	12575	5.127	ug/l	90
22) Diisopropyl ether	6.31	45	46611	4.899	ug/l	97
23) Vinyl Acetate	6.25	43	128857	22.261	ug/l	97
24) 1,1-Dichloroethane	6.21	63	25079	5.214	ug/l	99
25) 2-Butanone	7.17	43	27377	27.741	ug/l	98
26) 2,2-Dichloropropane	7.15	77	15646	4.288	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	13251	4.918	ug/l	88
28) Bromochloromethane	7.51	49	12108	5.499	ug/l	99
29) Tetrahydrofuran	7.53	42	16329	26.114	ug/l	98
30) Chloroform	7.67	83	23112	5.256	ug/l	92
31) Cyclohexane	7.95	56	30941	5.816	ug/l #	78
32) 1,1,1-Trichloroethane	7.87	97	17035	4.546	ug/l	98
36) 1,1-Dichloropropene	8.08	75	19172	4.973	ug/l	99
37) Ethyl Acetate	7.25	43	10710	4.942	ug/l #	94
38) Carbon Tetrachloride	8.07	117	15337	4.653	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011020.D
 Acq On : 27 Jun 2019 15:01
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:24:49 AM

Quant Time: Jun 28 01:47:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	23290	4.790	ug/l	94
40) Benzene	8.32	78	53359	5.063	ug/l	100
41) Methacrylonitrile	7.49	41	7182	5.549	ug/l	97
42) 1,2-Dichloroethane	8.40	62	17810	5.305	ug/l	100
43) Isopropyl Acetate	8.43	43	20423	4.912	ug/l	98
44) Trichloroethene	9.09	130	13019	5.027	ug/l	90
45) 1,2-Dichloropropane	9.37	63	14520	5.193	ug/l	100
46) Dibromomethane	9.46	93	6735	5.174	ug/l	97
47) Bromodichloromethane	9.64	83	15546	4.648	ug/l	93
48) Methyl methacrylate	9.43	41	9751	4.863	ug/l	96
49) 1,4-Dioxane	9.44	88	2289	109.137	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	54539	25.479	ug/l	100
52) Toluene	10.39	92	31743	4.902	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	15242	4.306	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	18527	4.436	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	9399	5.019	ug/l	92
56) Ethyl methacrylate	10.65	69	12845	4.478	ug/l	96
57) 1,3-Dichloropropane	10.93	76	18261	5.178	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	34228	22.908	ug/l	98
59) 2-Hexanone	10.97	43	36001	23.396	ug/l	98
60) Dibromochloromethane	11.13	129	9177	4.475	ug/l	94
61) 1,2-Dibromoethane	11.23	107	8977	5.078	ug/l	96
64) Tetrachloroethene	10.86	164	10945	4.966	ug/l	98
65) Chlorobenzene	11.66	112	32870	5.025	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	10672	4.741	ug/l	97
67) Ethyl Benzene	11.73	91	61074	4.858	ug/l	100
68) m/p-Xylenes	11.84	106	44074	9.762	ug/l	99
69) o-Xylene	12.17	106	19914	4.664	ug/l	96
70) Styrene	12.18	104	34225	4.611	ug/l	99
71) Bromoform	12.35	173	4791	4.130	ug/l #	100
73) Isopropylbenzene	12.46	105	56488	4.647	ug/l	99
74) N-amyl acetate	12.27	43	17765	4.455	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	11533	4.945	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	8121m	4.746	ug/l	
77) Bromobenzene	12.75	156	12788	4.823	ug/l	100
78) n-propylbenzene	12.80	91	70279	4.768	ug/l	98
79) 2-Chlorotoluene	12.89	91	40606	4.823	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	48436	4.831	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	2723	3.687	ug/l #	80
82) 4-Chlorotoluene	12.99	91	42801	4.918	ug/l	99
83) tert-Butylbenzene	13.21	119	40380	4.766	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	48486	4.806	ug/l	100
85) sec-Butylbenzene	13.38	105	59046	4.791	ug/l	99
86) p-Isopropyltoluene	13.50	119	51976	4.711	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	25708	5.008	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	26521	5.197	ug/l	96
89) n-Butylbenzene	13.82	91	52964	4.798	ug/l	100
90) Hexachloroethane	14.10	117	8439	4.311	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	23438	5.054	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1955	4.856	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
Data File : VW011020.D
Acq On : 27 Jun 2019 15:01
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

MMDadoda
6/28/2019 10:24:49 AM

Quant Time: Jun 28 01:47:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:35:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	15607	4.799	ug/l	100
94) Hexachlorobutadiene	15.24	225	9934	4.900	ug/l	99
95) Naphthalene	15.37	128	27507	4.602	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	14806	5.321	ug/l	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

