

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011022.D
 Acq On : 27 Jun 2019 15:55
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:24:59 AM

Quant Time: Jun 28 01:51:03 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	212881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155497	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52282	19.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.88%	
35) Dibromofluoromethane	7.88	113	39742	20.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.38%	
50) Toluene-d8	10.32	98	164581	19.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.14%	
62) 4-Bromofluorobenzene	12.62	95	59269	18.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33447	17.306	ug/l	96
3) Chloromethane	2.21	50	42272	15.148	ug/l	97
4) Vinyl Chloride	2.36	62	57700	21.267	ug/l	99
5) Bromomethane	2.76	94	27337	18.596	ug/l	95
6) Chloroethane	2.91	64	28481	17.897	ug/l	97
7) Trichlorofluoromethane	3.24	101	15228	4.973	ug/l	93
8) Diethyl Ether	3.67	74	25630	20.488	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	45824	21.206	ug/l	99
10) Methyl Iodide	4.27	142	63113	30.447	ug/l	100
11) Tert butyl alcohol	5.17	59	18431	90.294	ug/l	98
12) 1,1-Dichloroethene	4.04	96	47048	22.192	ug/l	95
13) Acrolein	3.89	56	16284	166.568	ug/l	100
14) Allyl chloride	4.66	41	75179	16.907	ug/l	97
15) Acrylonitrile	5.36	53	59849	97.216	ug/l	98
16) Acetone	4.12	43	62803	93.225	ug/l	99
17) Carbon Disulfide	4.38	76	131305	19.751	ug/l	100
18) Methyl Acetate	4.67	43	33999	22.762	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	67053	12.073	ug/l	93
20) Methylene Chloride	4.92	84	54759	22.731	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	49123	20.842	ug/l	97
22) Diisopropyl ether	6.31	45	184582	20.187	ug/l	98
23) Vinyl Acetate	6.25	43	550616	98.982	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95446	20.647	ug/l	99
25) 2-Butanone	7.17	43	94788	99.942	ug/l	100
26) 2,2-Dichloropropane	7.16	77	49818	14.206	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52495	20.274	ug/l	98
28) Bromochloromethane	7.51	49	45456	21.480	ug/l	99
29) Tetrahydrofuran	7.52	42	59362	98.784	ug/l	99
30) Chloroform	7.67	83	87733	20.761	ug/l	98
31) Cyclohexane	7.95	56	103942	20.330	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	65671	18.235	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74598	20.692	ug/l	99
37) Ethyl Acetate	7.25	43	42021	20.738	ug/l	98
38) Carbon Tetrachloride	8.07	117	60127	19.507	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	91327	20.085	ug/l	96
40) Benzene	8.32	78	204312	20.733	ug/l	99
41) Methacrylonitrile	7.48	41	24970	20.631	ug/l	97
42) 1,2-Dichloroethane	8.40	62	66640	21.229	ug/l	100
43) Isopropyl Acetate	8.42	43	78709	20.242	ug/l	100
44) Trichloroethene	9.09	130	49451	20.419	ug/l	95
45) 1,2-Dichloropropane	9.37	63	55278	21.142	ug/l	100
46) Dibromomethane	9.45	93	25589	21.022	ug/l	97
47) Bromodichloromethane	9.65	83	62992	20.138	ug/l	98
48) Methyl methacrylate	9.43	41	37701	20.106	ug/l	100
49) 1,4-Dioxane	9.45	88	8015	408.662	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	205864	102.846	ug/l	100
52) Toluene	10.38	92	125429	20.715	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	64142	19.376	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	77704	19.896	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35848	20.472	ug/l	97
56) Ethyl methacrylate	10.65	69	52206	19.463	ug/l	99
57) 1,3-Dichloropropane	10.93	76	68315	20.713	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	146028	104.515	ug/l	100
59) 2-Hexanone	10.97	43	141770	98.526	ug/l	99
60) Dibromochloromethane	11.13	129	36710	19.141	ug/l	99
61) 1,2-Dibromoethane	11.23	107	33385	20.197	ug/l	99
64) Tetrachloroethene	10.86	164	42056	20.261	ug/l	96
65) Chlorobenzene	11.66	112	125169	20.318	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	42169	19.889	ug/l	99
67) Ethyl Benzene	11.73	91	240529	20.313	ug/l	100
68) m/p-Xylenes	11.84	106	176388	41.480	ug/l	99
69) o-Xylene	12.16	106	81848	20.353	ug/l	100
70) Styrene	12.18	104	142237	20.347	ug/l	100
71) Bromoform	12.35	173	19392	17.750	ug/l #	100
73) Isopropylbenzene	12.46	105	227317	19.517	ug/l	99
74) N-amyl acetate	12.27	43	73324	19.193	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	42740	19.129	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31010m	18.917	ug/l	
77) Bromobenzene	12.75	156	50399	19.839	ug/l	97
78) n-propylbenzene	12.80	91	284958	20.180	ug/l	100
79) 2-Chlorotoluene	12.89	91	161131	19.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	193735	20.169	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12058	17.040	ug/l	94
82) 4-Chlorotoluene	12.99	91	168031	20.153	ug/l	100
83) tert-Butylbenzene	13.21	119	161908	19.948	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	198252	20.512	ug/l	98
85) sec-Butylbenzene	13.38	105	234439	19.853	ug/l	100
86) p-Isopropyltoluene	13.50	119	213916	20.237	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98961	20.123	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	98857	20.221	ug/l	99
89) n-Butylbenzene	13.82	91	215939	20.417	ug/l	100
90) Hexachloroethane	14.10	117	34473	18.380	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	89088	20.051	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7251	18.798	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62789	20.151	ug/l	99
94) Hexachlorobutadiene	15.24	225	38210	19.672	ug/l	97
95) Naphthalene	15.37	128	111273	19.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	54571	20.468	ug/l	99

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

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