

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009233.D
 Acq On : 19 Mar 2019 10:57
 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
 3/22/2019 3:52:56 AM

Quant Time: Mar 20 07:10:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:57:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	302004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	420183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	227193	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	17057	5.31	ug/l	0.00
Spiked Amount			Recovery	=	10.62%	
35) Dibromofluoromethane	7.88	113	15999	5.48	ug/l	0.00
Spiked Amount			Recovery	=	10.96%	
50) Toluene-d8	10.32	98	51314	4.83	ug/l	0.00
Spiked Amount			Recovery	=	9.66%	
62) 4-Bromofluorobenzene	12.61	95	17789	4.56	ug/l	0.00
Spiked Amount			Recovery	=	9.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	10676	5.039	ug/l	95
3) Chloromethane	2.21	50	11236	5.132	ug/l	99
4) Vinyl Chloride	2.36	62	17326	5.392	ug/l	99
5) Bromomethane	2.78	94	14790	5.644	ug/l	99
6) Chloroethane	2.93	64	13046	5.233	ug/l	99
7) Trichlorofluoromethane	3.25	101	10041	4.770	ug/l	96
8) Diethyl Ether	3.68	74	8519	5.612	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17926	5.879	ug/l #	85
10) Methyl Iodide	4.27	142	24544	5.584	ug/l	100
11) Tert butyl alcohol	5.20	59	4797	25.735	ug/l #	88
12) 1,1-Dichloroethene	4.02	96	16165	5.609	ug/l #	80
13) Acrolein	3.90	56	4462	29.312	ug/l	100
14) Allyl chloride	4.65	41	23666	5.570	ug/l	94
15) Acrylonitrile	5.37	53	16385	25.683	ug/l	98
16) Acetone	4.13	43	18079	27.431	ug/l	97
17) Carbon Disulfide	4.38	76	45156	5.620	ug/l	97
18) Methyl Acetate	4.67	43	10080	5.959	ug/l	94
19) Methyl tert-butyl Ether	5.41	73	18761	5.304	ug/l	96
20) Methylene Chloride	4.92	84	19928	6.476	ug/l #	90
21) trans-1,2-Dichloroethene	5.41	96	16314	5.502	ug/l	89
22) Diisopropyl ether	6.31	45	46289	5.053	ug/l	97
23) Vinyl Acetate	6.26	43	129272	22.492	ug/l	96
24) 1,1-Dichloroethane	6.21	63	32092	5.677	ug/l	98
25) 2-Butanone	7.17	43	23741	25.140	ug/l	97
26) 2,2-Dichloropropane	7.16	77	17617	5.577	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	16641	5.180	ug/l	94
28) Bromochloromethane	7.51	49	12351	4.981	ug/l	97
29) Tetrahydrofuran	7.53	42	14559	24.255	ug/l	97
30) Chloroform	7.67	83	32238	5.481	ug/l	92
31) Cyclohexane	7.95	56	31864	6.046	ug/l #	84
32) 1,1,1-Trichloroethane	7.87	97	26749	5.697	ug/l	97
36) 1,1-Dichloropropene	8.08	75	24833	5.418	ug/l	98
37) Ethyl Acetate	7.25	43	10260	4.905	ug/l	97
38) Carbon Tetrachloride	8.06	117	27413	5.651	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	27286	5.145	ug/l	94
40) Benzene	8.32	78	66816	5.375	ug/l	97
41) Methacrylonitrile	7.49	41	6064	5.379	ug/l	88
42) 1,2-Dichloroethane	8.40	62	21957	5.404	ug/l	100
43) Isopropyl Acetate	8.43	43	21135	5.046	ug/l	98
44) Trichloroethene	9.09	130	19414	5.701	ug/l	90
45) 1,2-Dichloropropane	9.37	63	17467	5.528	ug/l	99
46) Dibromomethane	9.46	93	9247	5.322	ug/l	99
47) Bromodichloromethane	9.64	83	23309	5.308	ug/l #	95
48) Methyl methacrylate	9.43	41	8936	4.608	ug/l	92
49) 1,4-Dioxane	9.46	88	2406	89.273	ug/l #	68
51) 4-Methyl-2-Pentanone	10.21	43	52447	24.028	ug/l	96
52) Toluene	10.38	92	40063	5.087	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	20657	4.824	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	24743	5.136	ug/l	99
55) 1,1,2-Trichloroethane	10.78	97	12841	5.458	ug/l	94
56) Ethyl methacrylate	10.64	69	11889	4.244	ug/l	94
57) 1,3-Dichloropropane	10.93	76	21345	5.260	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	33883	41.333	ug/l	97
59) 2-Hexanone	10.97	43	32507	21.936	ug/l	99
60) Dibromochloromethane	11.13	129	15069	5.184	ug/l	97
61) 1,2-Dibromoethane	11.23	107	11664	5.205	ug/l	98
64) Tetrachloroethene	10.86	164	15696	5.455	ug/l	93
65) Chlorobenzene	11.66	112	47593	5.477	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	17123	5.275	ug/l	96
67) Ethyl Benzene	11.73	91	74928	4.978	ug/l	95
68) m/p-Xylenes	11.84	106	57782	9.904	ug/l	100
69) o-Xylene	12.16	106	26093	4.816	ug/l	98
70) Styrene	12.18	104	41309	4.625	ug/l	97
71) Bromoform	12.35	173	9408	5.306	ug/l #	95
73) Isopropylbenzene	12.46	105	70987	4.675	ug/l	99
74) N-amyl acetate	12.27	43	16750	4.229	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	14998	5.280	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	12792m	5.569	ug/l	
77) Bromobenzene	12.75	156	18838	5.237	ug/l	95
78) n-propylbenzene	12.80	91	88721	4.757	ug/l	99
79) 2-Chlorotoluene	12.90	91	52013	4.909	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	60039	4.649	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	4040	4.643	ug/l	92
82) 4-Chlorotoluene	12.99	91	55799	4.999	ug/l	95
83) tert-Butylbenzene	13.21	119	50763	4.600	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	62135	4.693	ug/l	97
85) sec-Butylbenzene	13.38	105	76528	4.693	ug/l	98
86) p-Isopropyltoluene	13.50	119	67435	4.644	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39345	5.286	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	40627	5.482	ug/l	94
89) n-Butylbenzene	13.83	91	66140	4.745	ug/l	98
90) Hexachloroethane	14.10	117	15075	5.265	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	35173	5.270	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2431	4.780	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21782	4.859	ug/l	99
94) Hexachlorobutadiene	15.24	225	15063	5.283	ug/l	99
95) Naphthalene	15.37	128	31258	4.025	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	20170	5.041	ug/l	98

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

