

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064375.D
 Acq On : 26 Nov 2019 10:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/27/2019 5:13:59 PM

Quant Time: Nov 26 13:15:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	533442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	753253	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	639639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	314075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	196509	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	
35) Dibromofluoromethane	7.91	113	206085	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.34	98	772176	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
62) 4-Bromofluorobenzene	12.64	95	246524	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	177536	40.128	ug/l	94
3) Chloromethane	2.21	50	221184	46.609	ug/l	99
4) Vinyl Chloride	2.35	62	291633	57.468	ug/l	96
5) Bromomethane	2.77	94	202408	63.164	ug/l	97
6) Chloroethane	2.92	64	203971	62.902	ug/l	97
7) Trichlorofluoromethane	3.27	101	527099	64.065	ug/l	99
8) Diethyl Ether	3.70	74	106621	47.130	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	239784	50.990	ug/l	99
10) Methyl Iodide	4.29	142	266185	49.603	ug/l	100
11) Tert butyl alcohol	5.25	59	66523	217.091	ug/l	95
12) 1,1-Dichloroethene	4.06	96	219047	48.868	ug/l	96
13) Acrolein	3.93	56	63487	244.904	ug/l	99
14) Allyl chloride	4.71	41	355904	44.907	ug/l	93
15) Acrylonitrile	5.43	53	227588	235.980	ug/l	99
16) Acetone	4.16	43	282847	272.141	ug/l	99
17) Carbon Disulfide	4.40	76	624035	44.705	ug/l	100
18) Methyl Acetate	4.72	43	128932	44.415	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	498704	46.605	ug/l	97
20) Methylene Chloride	4.96	84	232395	44.265	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	249500	49.130	ug/l	96
22) Diisopropyl ether	6.37	45	693956	47.193	ug/l	99
23) Vinyl Acetate	6.31	43	1942844	237.025	ug/l	99
24) 1,1-Dichloroethane	6.26	63	429286	50.279	ug/l	99
25) 2-Butanone	7.22	43	318808	237.425	ug/l	98
26) 2,2-Dichloropropane	7.21	77	411554	49.152	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	277640	50.980	ug/l	94
28) Bromochloromethane	7.55	49	153721	51.714	ug/l	100
29) Tetrahydrofuran	7.57	42	181013	224.369	ug/l	99
30) Chloroform	7.71	83	446234	51.095	ug/l	99
31) Cyclohexane	7.98	56	394483	45.813	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	424037	50.707	ug/l	100
36) 1,1-Dichloropropene	8.11	75	353857	50.901	ug/l	99
37) Ethyl Acetate	7.30	43	127849	43.623	ug/l	98
38) Carbon Tetrachloride	8.10	117	389452	52.355	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	437933	49.784	ug/l	98
40) Benzene	8.35	78	966916	50.891	ug/l	98
41) Methacrylonitrile	7.53	41	83629	45.400	ug/l	95
42) 1,2-Dichloroethane	8.43	62	269235	47.182	ug/l	99
43) Isopropyl Acetate	8.46	43	263851	43.695	ug/l	98
44) Trichloroethene	9.11	130	295427	51.807	ug/l	100
45) 1,2-Dichloropropane	9.38	63	231203	49.996	ug/l	97
46) Dibromomethane	9.47	93	123148	49.742	ug/l	99
47) Bromodichloromethane	9.66	83	336846	50.512	ug/l	99
48) Methyl methacrylate	9.46	41	122368	41.443	ug/l	95
49) 1,4-Dioxane	9.47	88	28601	961.913	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	645831	223.028	ug/l	99
52) Toluene	10.40	92	623717	49.924	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	317949	47.590	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	375546	48.171	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	168858	50.278	ug/l	96
56) Ethyl methacrylate	10.66	69	210934	44.897	ug/l	94
57) 1,3-Dichloropropane	10.95	76	290516	49.599	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	440962	231.709	ug/l	100
59) 2-Hexanone	10.98	43	480940	233.448	ug/l	98
60) Dibromochloromethane	11.14	129	232783	49.672	ug/l	100
61) 1,2-Dibromoethane	11.25	107	163094	48.484	ug/l	100
64) Tetrachloroethene	10.88	164	251037	51.030	ug/l	97
65) Chlorobenzene	11.67	112	664852	51.115	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	252876	51.129	ug/l	98
67) Ethyl Benzene	11.75	91	1215250	51.652	ug/l	99
68) m/p-Xylenes	11.86	106	935885	103.778	ug/l	99
69) o-Xylene	12.18	106	423713	50.660	ug/l	99
70) Styrene	12.20	104	749748	51.354	ug/l	98
71) Bromoform	12.37	173	138939	49.362	ug/l #	99
73) Isopropylbenzene	12.48	105	1197141	51.930	ug/l	100
74) N-amyl acetate	12.29	43	235394	43.240	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	174640	50.275	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	105773m	41.811	ug/l	
77) Bromobenzene	12.77	156	282475	50.437	ug/l	98
78) n-propylbenzene	12.83	91	1386913	52.658	ug/l	100
79) 2-Chlorotoluene	12.91	91	736897	49.556	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	961361	50.751	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	57380	45.055	ug/l	98
82) 4-Chlorotoluene	13.01	91	783654	50.526	ug/l	100
83) tert-Butylbenzene	13.23	119	860428	51.513	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	956268	51.134	ug/l	99
85) sec-Butylbenzene	13.41	105	1181953	52.686	ug/l	99
86) p-Isopropyltoluene	13.53	119	1117233	52.384	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	540185	51.959	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	527535	51.991	ug/l	99
89) n-Butylbenzene	13.85	91	1025574	53.225	ug/l	99
90) Hexachloroethane	14.12	117	206591	52.413	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	448346	50.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27616	44.465	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	352291	51.899	ug/l	99
94) Hexachlorobutadiene	15.28	225	232883	53.116	ug/l	99
95) Naphthalene	15.41	128	535019	48.082	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	291927	50.594	ug/l	98

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

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