

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
 Data File : VD064146.D
 Acq On : 01 Nov 2019 11:45
 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

MMDadoda
 11/4/2019 11:50:53 AM

Quant Time: Nov 01 17:18:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	223388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	315022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	323769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	183544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	86112	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
35) Dibromofluoromethane	7.91	113	99822	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.34	98	417515	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
62) 4-Bromofluorobenzene	12.64	95	139256	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	107000	46.908	ug/l	96
3) Chloromethane	2.21	50	173892	45.690	ug/l	100
4) Vinyl Chloride	2.35	62	196254	47.551	ug/l	98
5) Bromomethane	2.77	94	125676	46.725	ug/l	98
6) Chloroethane	2.92	64	126246	49.248	ug/l	91
7) Trichlorofluoromethane	3.27	101	280198	49.317	ug/l	99
8) Diethyl Ether	3.71	74	46384	46.968	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	101864	49.751	ug/l	98
10) Methyl Iodide	4.29	142	125766	49.578	ug/l	99
11) Tert butyl alcohol	5.25	59	22332	219.233	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	91899	47.425	ug/l	89
13) Acrolein	3.92	56	24100	212.746	ug/l	98
14) Allyl chloride	4.71	41	114594	50.525	ug/l	98
15) Acrylonitrile	5.43	53	86914	238.255	ug/l	99
16) Acetone	4.16	43	100500	297.306	ug/l	98
17) Carbon Disulfide	4.40	76	294198	49.404	ug/l	97
18) Methyl Acetate	4.71	43	42213	46.947	ug/l #	77
19) Methyl tert-butyl Ether	5.48	73	184408	46.898	ug/l	95
20) Methylene Chloride	4.96	84	108736	50.386	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	108137	49.712	ug/l	93
22) Diisopropyl ether	6.36	45	248778	49.528	ug/l	97
23) Vinyl Acetate	6.31	43	678184	246.313	ug/l	99
24) 1,1-Dichloroethane	6.26	63	167246	49.307	ug/l	97
25) 2-Butanone	7.22	43	116408	249.096	ug/l	97
26) 2,2-Dichloropropane	7.21	77	157007	48.770	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	120485	49.500	ug/l	97
28) Bromochloromethane	7.54	49	66233	50.091	ug/l	98
29) Tetrahydrofuran	7.57	42	64158	235.237	ug/l	98
30) Chloroform	7.71	83	196539	50.637	ug/l	100
31) Cyclohexane	7.98	56	152699	46.209	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	181909	50.349	ug/l	98
36) 1,1-Dichloropropene	8.11	75	148807	50.411	ug/l	97
37) Ethyl Acetate	7.31	43	47269	52.025	ug/l #	94
38) Carbon Tetrachloride	8.10	117	171007	53.097	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	193338	53.356	ug/l	93
40) Benzene	8.36	78	424971	52.794	ug/l	99
41) Methacrylonitrile	7.54	41	33823m	64.506	ug/l	
42) 1,2-Dichloroethane	8.43	62	110266	51.858	ug/l	99
43) Isopropyl Acetate	8.46	43	92705	50.487	ug/l	97
44) Trichloroethene	9.11	130	129045	52.893	ug/l	99
45) 1,2-Dichloropropane	9.39	63	100481	53.863	ug/l	97
46) Dibromomethane	9.47	93	59204	52.695	ug/l	99
47) Bromodichloromethane	9.66	83	148269	52.311	ug/l	99
48) Methyl methacrylate	9.46	41	44588	52.510	ug/l	92
49) 1,4-Dioxane	9.47	88	15394	1196.987	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	251273	251.367	ug/l	100
52) Toluene	10.41	92	304366	53.954	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	140757	53.200	ug/l	92
54) cis-1,3-Dichloropropene	10.10	75	167286	53.741	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	82407	51.733	ug/l	96
56) Ethyl methacrylate	10.67	69	90702	47.038	ug/l	97
57) 1,3-Dichloropropane	10.95	76	132010	50.110	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	180855	259.153	ug/l	98
59) 2-Hexanone	10.99	43	187344	239.475	ug/l	100
60) Dibromochloromethane	11.14	129	109788	50.779	ug/l	95
61) 1,2-Dibromoethane	11.25	107	81939	51.431	ug/l	99
64) Tetrachloroethene	10.88	164	119656	51.443	ug/l	97
65) Chlorobenzene	11.67	112	342666	51.222	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	127603	50.976	ug/l	96
67) Ethyl Benzene	11.75	91	612397	51.467	ug/l	99
68) m/p-Xylenes	11.86	106	494613	103.345	ug/l	98
69) o-Xylene	12.18	106	228405	52.292	ug/l	100
70) Styrene	12.20	104	397894	52.818	ug/l	99
71) Bromoform	12.36	173	67569	50.542	ug/l #	97
73) Isopropylbenzene	12.48	105	639240	50.119	ug/l	98
74) N-amyl acetate	12.30	43	97039	45.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	90428	44.981	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	49493m	40.130	ug/l	
77) Bromobenzene	12.77	156	153100	49.716	ug/l	99
78) n-propylbenzene	12.83	91	754158	50.456	ug/l	100
79) 2-Chlorotoluene	12.91	91	405529	50.614	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	543772	50.941	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	29287	48.497	ug/l	99
82) 4-Chlorotoluene	13.01	91	426922	49.867	ug/l	97
83) tert-Butylbenzene	13.23	119	481229	50.193	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	563843	52.581	ug/l	99
85) sec-Butylbenzene	13.41	105	675536	51.308	ug/l	98
86) p-Isopropyltoluene	13.52	119	653517	52.827	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	319401	51.757	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	309569	50.887	ug/l	99
89) n-Butylbenzene	13.85	91	593458	52.010	ug/l	98
90) Hexachloroethane	14.11	117	116338	50.230	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	271775	51.172	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13856	47.192	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	194933	51.061	ug/l	98
94) Hexachlorobutadiene	15.27	225	117759	52.777	ug/l	98
95) Naphthalene	15.41	128	308673	49.577	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	163896	49.564	ug/l	99

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

