

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067401.D
 Acq On : 26 Oct 2020 19:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 11:45:57 AM

Quant Time: Oct 27 01:43:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	289381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	431207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	410425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	208965	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	144233	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	7.92	113	145166	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.34	98	524211	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.64	95	185252	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93176	39.165	ug/l	96
3) Chloromethane	2.20	50	70562	38.744	ug/l	96
4) Vinyl Chloride	2.34	62	79904	39.987	ug/l	91
5) Bromomethane	2.77	94	64229	46.002	ug/l	90
6) Chloroethane	2.92	64	52174	41.925	ug/l	94
7) Trichlorofluoromethane	3.27	101	225516	44.818	ug/l	99
8) Diethyl Ether	3.71	74	53039	46.064	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	121539	45.463	ug/l	99
10) Methyl Iodide	4.30	142	102836	41.700	ug/l	96
11) Tert butyl alcohol	5.22	59	35736	234.206	ug/l	98
12) 1,1-Dichloroethene	4.07	96	106698	44.675	ug/l	99
13) Acrolein	3.92	56	36269	212.845	ug/l	90
14) Allyl chloride	4.71	41	125422	45.857	ug/l	98
15) Acrylonitrile	5.42	53	92330	240.322	ug/l	96
16) Acetone	4.16	43	88023	216.790	ug/l	99
17) Carbon Disulfide	4.40	76	270046	39.662	ug/l	99
18) Methyl Acetate	4.72	43	49810	53.785	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	238360	50.192	ug/l	99
20) Methylene Chloride	4.97	84	129080	49.594	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	129829	47.238	ug/l	95
22) Diisopropyl ether	6.37	45	251435	50.324	ug/l	95
23) Vinyl Acetate	6.31	43	712940	250.814	ug/l	95
24) 1,1-Dichloroethane	6.27	63	205286	47.999	ug/l	98
25) 2-Butanone	7.21	43	115705	249.994	ug/l	99
26) 2,2-Dichloropropane	7.21	77	200786	45.547	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	147248	48.884	ug/l	99
28) Bromochloromethane	7.54	49	73101	50.111	ug/l	97
29) Tetrahydrofuran	7.56	42	66031	256.652	ug/l	95
30) Chloroform	7.71	83	251182	49.163	ug/l	92
31) Cyclohexane	7.98	56	137567	41.197	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	244878	48.849	ug/l	97
36) 1,1-Dichloropropene	8.11	75	169098	46.268	ug/l	99
37) Ethyl Acetate	7.29	43	53018	49.306	ug/l #	90
38) Carbon Tetrachloride	8.10	117	227626	48.730	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	175979	46.058	ug/l	99
40) Benzene	8.36	78	489829	48.854	ug/l	100
41) Methacrylonitrile	7.53	41	30460	52.420	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	158787	50.605	ug/l	100
43) Isopropyl Acetate	8.46	43	104666	49.054	ug/l #	58
44) Trichloroethene	9.12	130	158504	49.375	ug/l	87
45) 1,2-Dichloropropane	9.39	63	115574	49.737	ug/l	98
46) Dibromomethane	9.48	93	71530	49.406	ug/l	95
47) Bromodichloromethane	9.67	83	199995	51.559	ug/l	99
48) Methyl methacrylate	9.46	41	55612	53.633	ug/l	92
49) 1,4-Dioxane	9.47	88	14573	1041.391	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	276944	260.234	ug/l	99
52) Toluene	10.41	92	343164	50.251	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	175795	51.591	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	199439	50.012	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	101680	51.503	ug/l	96
56) Ethyl methacrylate	10.67	69	107630	52.566	ug/l	100
57) 1,3-Dichloropropane	10.95	76	158986	50.602	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	293123	279.065	ug/l	99
59) 2-Hexanone	10.99	43	191103	262.790	ug/l	99
60) Dibromochloromethane	11.14	129	147815	51.339	ug/l	99
61) 1,2-Dibromoethane	11.25	107	98149	50.428	ug/l	99
64) Tetrachloroethene	10.88	164	138823	46.684	ug/l	94
65) Chlorobenzene	11.67	112	387116	49.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	159250	50.911	ug/l	99
67) Ethyl Benzene	11.75	91	663335	49.168	ug/l	100
68) m/p-Xylenes	11.86	106	522425	100.558	ug/l	96
69) o-Xylene	12.18	106	236219	49.101	ug/l	100
70) Styrene	12.20	104	422756	51.048	ug/l	99
71) Bromoform	12.36	173	84867	50.502	ug/l #	99
73) Isopropylbenzene	12.48	105	673700	50.798	ug/l	100
74) N-amyl acetate	12.29	43	98307	49.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	98471	48.458	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	75654m	52.236	ug/l	
77) Bromobenzene	12.77	156	168639	51.003	ug/l	98
78) n-propylbenzene	12.83	91	771158	50.186	ug/l	100
79) 2-Chlorotoluene	12.91	91	439158	49.282	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	584562	50.722	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31611	49.495	ug/l	96
82) 4-Chlorotoluene	13.01	91	478167	50.558	ug/l	99
83) tert-Butylbenzene	13.23	119	504104	51.782	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	578949	50.826	ug/l	99
85) sec-Butylbenzene	13.41	105	649899	48.652	ug/l	99
86) p-Isopropyltoluene	13.52	119	631304	50.070	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	313213	49.215	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	313085	49.655	ug/l	99
89) n-Butylbenzene	13.85	91	550710	49.649	ug/l	100
90) Hexachloroethane	14.11	117	107298	48.767	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	274137	49.309	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17518	47.452	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	192139	51.258	ug/l	98
94) Hexachlorobutadiene	15.27	225	114229	49.073	ug/l	98
95) Naphthalene	15.41	128	326900	53.117	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	169947	52.480	ug/l	98

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

