

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067632.D
 Acq On : 16 Nov 2020 11:18
 Operator : VA/SY
 Sample : VD1116SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1116SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:57:54 PM

Quant Time: Nov 17 01:17:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	291811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	420852	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	384514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	195816	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	110283	43.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.44%	
35) Dibromofluoromethane	7.92	113	113173	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
50) Toluene-d8	10.34	98	403449	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
62) 4-Bromofluorobenzene	12.64	95	145847	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56031	21.091	ug/l	98
3) Chloromethane	2.21	50	33877	18.643	ug/l	92
4) Vinyl Chloride	2.35	62	36922	18.224	ug/l	94
5) Bromomethane	2.76	94	30528	18.591	ug/l	93
6) Chloroethane	2.92	64	23507	18.820	ug/l	91
7) Trichlorofluoromethane	3.28	101	110103	20.989	ug/l	99
8) Diethyl Ether	3.71	74	20122	19.037	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	53968	20.381	ug/l	97
10) Methyl Iodide	4.30	142	51426	18.121	ug/l	99
11) Tert butyl alcohol	5.20	59	15134	127.759	ug/l #	88
12) 1,1-Dichloroethene	4.07	96	47942	19.684	ug/l	93
13) Acrolein	3.92	56	4497	63.557	ug/l	97
14) Allyl chloride	4.71	41	49880	19.135	ug/l	97
15) Acrylonitrile	5.41	53	37419	95.767	ug/l	99
16) Acetone	4.15	43	33227	87.021	ug/l	91
17) Carbon Disulfide	4.41	76	139244	18.657	ug/l #	91
18) Methyl Acetate	4.71	43	15009	19.022	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	94046	19.576	ug/l	96
20) Methylene Chloride	4.96	84	54703	20.282	ug/l	97
21) trans-1,2-Dichloroethene	5.48	96	54974	19.379	ug/l	96
22) Diisopropyl ether	6.36	45	101371	19.956	ug/l #	92
23) Vinyl Acetate	6.31	43	252990	95.145	ug/l	100
24) 1,1-Dichloroethane	6.27	63	79070	19.027	ug/l	98
25) 2-Butanone	7.21	43	37148	91.051	ug/l	97
26) 2,2-Dichloropropane	7.21	77	93007	21.206	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	57709	19.599	ug/l	97
28) Bromochloromethane	7.54	49	26744	18.092	ug/l	97
29) Tetrahydrofuran	7.56	42	22131	90.556	ug/l	89
30) Chloroform	7.71	83	100642	20.300	ug/l	99
31) Cyclohexane	7.99	56	69936	18.898	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	105034	20.533	ug/l	99
36) 1,1-Dichloropropene	8.11	75	73501	20.403	ug/l	99
37) Ethyl Acetate	7.29	43	19444	20.790	ug/l	97
38) Carbon Tetrachloride	8.10	117	102675	21.937	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	84602	19.953	ug/l	94
40) Benzene	8.36	78	199328	20.427	ug/l	99
41) Methacrylonitrile	7.53	41	10316m	18.453	ug/l	
42) 1,2-Dichloroethane	8.43	62	62327	20.673	ug/l	98
43) Isopropyl Acetate	8.46	43	35015	18.931	ug/l	98
44) Trichloroethene	9.12	130	64316	20.045	ug/l	88
45) 1,2-Dichloropropane	9.40	63	41990	19.903	ug/l	92
46) Dibromomethane	9.48	93	27876	20.780	ug/l	97
47) Bromodichloromethane	9.67	83	74171	20.343	ug/l	92
48) Methyl methacrylate	9.46	41	17888	18.731	ug/l	98
49) 1,4-Dioxane	9.47	88	5915	434.351	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	85256	96.378	ug/l	95
52) Toluene	10.41	92	142407	21.788	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	64118	20.533	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	73419	19.789	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	36975	20.832	ug/l	98
56) Ethyl methacrylate	10.66	69	35254	19.234	ug/l	99
57) 1,3-Dichloropropane	10.95	76	58185	20.372	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	85399	99.914	ug/l	97
59) 2-Hexanone	10.99	43	61074	98.743	ug/l	96
60) Dibromochloromethane	11.14	129	55264	21.048	ug/l	100
61) 1,2-Dibromoethane	11.25	107	35221	19.772	ug/l	95
64) Tetrachloroethene	10.88	164	61227	21.501	ug/l	92
65) Chlorobenzene	11.67	112	152810	20.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	59554	20.400	ug/l	97
67) Ethyl Benzene	11.75	91	262652	20.723	ug/l	97
68) m/p-Xylenes	11.86	106	207237	42.028	ug/l	99
69) o-Xylene	12.18	106	91118	20.697	ug/l	99
70) Styrene	12.20	104	159565	20.800	ug/l	97
71) Bromoform	12.37	173	31327	21.041	ug/l #	98
73) Isopropylbenzene	12.48	105	264913	20.933	ug/l	98
74) N-amyl acetate	12.30	43	32544	19.543	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	34387	19.927	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	21825m	18.476	ug/l	
77) Bromobenzene	12.77	156	66293	21.330	ug/l	95
78) n-propylbenzene	12.83	91	307187	21.221	ug/l	99
79) 2-Chlorotoluene	12.91	91	171239	20.825	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	233963	21.642	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10969	18.853	ug/l	96
82) 4-Chlorotoluene	13.01	91	190964	21.654	ug/l	96
83) tert-Butylbenzene	13.23	119	191760	20.929	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	227610	21.151	ug/l	97
85) sec-Butylbenzene	13.41	105	265404	21.458	ug/l	99
86) p-Isopropyltoluene	13.52	119	254694	21.324	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	128125	21.605	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	121500	20.233	ug/l	96
89) n-Butylbenzene	13.85	91	215088	20.849	ug/l	99
90) Hexachloroethane	14.12	117	46097	20.494	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	104627	20.385	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6329	20.714	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	71675	20.575	ug/l	98
94) Hexachlorobutadiene	15.27	225	48751	20.910	ug/l	97
95) Naphthalene	15.41	128	106839	19.873	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	60991	20.445	ug/l	99

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

