

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067316.D
 Acq On : 20 Oct 2020 11:39
 Operator : VA/SY
 Sample : VD1020SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/21/2020 2:51:58 PM

Quant Time: Oct 21 02:04:24 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	7.99	168	327427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	490933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	455586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	229391	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	151802	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
35) Dibromofluoromethane	7.92	113	158607	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.34	98	576690	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.64	95	202702	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56830	18.903	ug/l	98
3) Chloromethane	2.21	50	40067	19.444	ug/l	97
4) Vinyl Chloride	2.35	62	44301	19.594	ug/l	89
5) Bromomethane	2.76	94	37061	22.251	ug/l	87
6) Chloroethane	2.92	64	28813	20.462	ug/l	92
7) Trichlorofluoromethane	3.27	101	117129	20.573	ug/l	93
8) Diethyl Ether	3.71	74	25745	19.761	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	59915	19.808	ug/l	97
10) Methyl Iodide	4.30	142	56648	20.302	ug/l	97
11) Tert butyl alcohol	5.21	59	15925	58.437	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	53199	19.686	ug/l	90
13) Acrolein	3.92	56	10434	70.273	ug/l	95
14) Allyl chloride	4.71	41	60150	19.437	ug/l	99
15) Acrylonitrile	5.42	53	41205	94.789	ug/l	98
16) Acetone	4.16	43	41655	90.671	ug/l	92
17) Carbon Disulfide	4.41	76	151300	19.640	ug/l	97
18) Methyl Acetate	4.72	43	20179	19.257	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	102329	19.044	ug/l	99
20) Methylene Chloride	4.97	84	65146	19.390	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	62832	20.205	ug/l	89
22) Diisopropyl ether	6.37	45	117002	20.697	ug/l	97
23) Vinyl Acetate	6.31	43	318749	99.107	ug/l	100
24) 1,1-Dichloroethane	6.26	63	99442	20.549	ug/l	96
25) 2-Butanone	7.21	43	50207	95.873	ug/l #	85
26) 2,2-Dichloropropane	7.21	77	100434	20.136	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	66821	19.606	ug/l	95
28) Bromochloromethane	7.55	49	31715	19.214	ug/l #	99
29) Tetrahydrofuran	7.57	42	26878	92.331	ug/l	92
30) Chloroform	7.71	83	115086	19.908	ug/l	88
31) Cyclohexane	7.99	56	73234	19.383	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	115910	20.435	ug/l	99
36) 1,1-Dichloropropene	8.11	75	82177	19.749	ug/l	99
37) Ethyl Acetate	7.30	43	24308	19.856	ug/l	97
38) Carbon Tetrachloride	8.10	117	107121	20.143	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	85648	19.689	ug/l	97
40) Benzene	8.36	78	231743	20.301	ug/l	98
41) Methacrylonitrile	7.53	41	15220	23.006	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	70540	19.746	ug/l	97
43) Isopropyl Acetate	8.46	43	47010	19.352	ug/l	96
44) Trichloroethene	9.11	130	73972	20.239	ug/l	90
45) 1,2-Dichloropropane	9.39	63	53444	20.201	ug/l	93
46) Dibromomethane	9.48	93	32441	19.681	ug/l	96
47) Bromodichloromethane	9.66	83	88961	20.144	ug/l	97
48) Methyl methacrylate	9.46	41	21983	18.622	ug/l #	88
49) 1,4-Dioxane	9.47	88	6342	378.717	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	118217	97.570	ug/l	96
52) Toluene	10.41	92	159016	20.452	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	80331	20.707	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	92040	20.272	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	44654	19.866	ug/l	97
56) Ethyl methacrylate	10.66	69	44502	19.090	ug/l	98
57) 1,3-Dichloropropane	10.95	76	70867	19.812	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	122861	102.738	ug/l	98
59) 2-Hexanone	10.99	43	77914	94.107	ug/l	98
60) Dibromochloromethane	11.14	129	64440	19.659	ug/l	97
61) 1,2-Dibromoethane	11.25	107	44952	20.286	ug/l	99
64) Tetrachloroethene	10.88	164	63444	19.220	ug/l	99
65) Chlorobenzene	11.67	112	178438	20.425	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	70724	20.369	ug/l	99
67) Ethyl Benzene	11.75	91	302922	20.227	ug/l	96
68) m/p-Xylenes	11.86	106	237916	41.255	ug/l	99
69) o-Xylene	12.18	106	105675	19.788	ug/l	97
70) Styrene	12.20	104	186317	20.268	ug/l	99
71) Bromoform	12.37	173	37433	20.067	ug/l #	99
73) Isopropylbenzene	12.48	105	298468	20.501	ug/l	98
74) N-amyl acetate	12.29	43	41073	18.679	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	41940	18.801	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	33427m	21.025	ug/l	
77) Bromobenzene	12.77	156	73463	20.240	ug/l	97
78) n-propylbenzene	12.83	91	349582	20.724	ug/l	99
79) 2-Chlorotoluene	12.91	91	202678	20.719	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	265889	21.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	13158	18.768	ug/l	97
82) 4-Chlorotoluene	13.01	91	216318	20.835	ug/l	99
83) tert-Butylbenzene	13.23	119	220075	20.593	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	262134	20.964	ug/l	99
85) sec-Butylbenzene	13.41	105	298476	20.354	ug/l	99
86) p-Isopropyltoluene	13.52	119	286976	20.734	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	145236	20.789	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	144790	20.919	ug/l	98
89) n-Butylbenzene	13.85	91	250088	20.539	ug/l	99
90) Hexachloroethane	14.11	117	48516	20.087	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	123599	20.252	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7692	18.981	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83242	20.230	ug/l	98
94) Hexachlorobutadiene	15.27	225	50911	19.924	ug/l	98
95) Naphthalene	15.41	128	128133	18.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	72498	20.394	ug/l	99

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

