

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066737.D
 Acq On : 17 Sep 2020 11:52
 Operator : VA/SY
 Sample : VD0917SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0917SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2020 12:18:17 PM

Quant Time: Sep 18 01:26:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	397077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	656308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	608197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	277313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	214306	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	7.91	113	205782	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.34	98	752677	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.63	95	257225	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73976	22.572	ug/l	99
3) Chloromethane	2.21	50	87042	20.144	ug/l	96
4) Vinyl Chloride	2.35	62	85118	18.822	ug/l	93
5) Bromomethane	2.76	94	63011	19.642	ug/l	94
6) Chloroethane	2.92	64	55360	19.651	ug/l	92
7) Trichlorofluoromethane	3.27	101	157116	20.115	ug/l	96
8) Diethyl Ether	3.71	74	37140	18.988	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	86529	20.157	ug/l	98
10) Methyl Iodide	4.30	142	73931	18.152	ug/l	98
11) Tert butyl alcohol	5.19	59	42022	115.983	ug/l #	84
12) 1,1-Dichloroethene	4.07	96	78926	19.865	ug/l	97
13) Acrolein	3.92	56	27085	90.647	ug/l	94
14) Allyl chloride	4.72	41	123747	19.394	ug/l	99
15) Acrylonitrile	5.42	53	88241	102.985	ug/l	99
16) Acetone	4.16	43	82523	95.653	ug/l	94
17) Carbon Disulfide	4.41	76	261565	20.950	ug/l	100
18) Methyl Acetate	4.71	43	39462	19.210	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	176062	19.894	ug/l	100
20) Methylene Chloride	4.96	84	106199	18.220	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	93290	20.153	ug/l	97
22) Diisopropyl ether	6.36	45	266998	20.593	ug/l	97
23) Vinyl Acetate	6.30	43	724331	100.436	ug/l	97
24) 1,1-Dichloroethane	6.26	63	159651	19.405	ug/l	97
25) 2-Butanone	7.21	43	111832	99.548	ug/l	92
26) 2,2-Dichloropropane	7.20	77	146971	19.318	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	101072	19.958	ug/l	97
28) Bromochloromethane	7.54	49	70063	22.799	ug/l	91
29) Tetrahydrofuran	7.56	42	68868	100.196	ug/l	99
30) Chloroform	7.71	83	174509	19.930	ug/l	99
31) Cyclohexane	7.98	56	143601	19.189	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	159821	19.946	ug/l	100
36) 1,1-Dichloropropene	8.11	75	133631	19.804	ug/l	98
37) Ethyl Acetate	7.29	43	51702	20.239	ug/l #	95
38) Carbon Tetrachloride	8.10	117	144962	20.230	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	146194	18.941	ug/l	99
40) Benzene	8.35	78	368393	20.180	ug/l	96
41) Methacrylonitrile	7.53	41	25246	18.668	ug/l	94
42) 1,2-Dichloroethane	8.42	62	112270	19.851	ug/l	99
43) Isopropyl Acetate	8.44	43	93240	19.392	ug/l	99
44) Trichloroethene	9.11	130	99556	20.397	ug/l	98
45) 1,2-Dichloropropane	9.38	63	93275	20.668	ug/l	98
46) Dibromomethane	9.47	93	50509	20.367	ug/l	100
47) Bromodichloromethane	9.66	83	136094	20.139	ug/l	98
48) Methyl methacrylate	9.45	41	49395	20.197	ug/l	99
49) 1,4-Dioxane	9.46	88	11103	417.953	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	245195	99.052	ug/l	100
52) Toluene	10.40	92	239841	20.508	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	120717	19.997	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	143219	19.974	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	66599	20.368	ug/l	98
56) Ethyl methacrylate	10.66	69	74914	20.190	ug/l	96
57) 1,3-Dichloropropane	10.94	76	113630	19.803	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	188159	115.461	ug/l	98
59) 2-Hexanone	10.98	43	164054	98.633	ug/l	100
60) Dibromochloromethane	11.14	129	87877	20.626	ug/l	97
61) 1,2-Dibromoethane	11.25	107	64777	20.652	ug/l	98
64) Tetrachloroethene	10.87	164	82430	19.854	ug/l	93
65) Chlorobenzene	11.67	112	246463	19.573	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	90380	19.453	ug/l	99
67) Ethyl Benzene	11.74	91	431788	18.931	ug/l	99
68) m/p-Xylenes	11.85	106	336369	39.020	ug/l	99
69) o-Xylene	12.18	106	148623	19.510	ug/l	98
70) Styrene	12.20	104	265466	19.799	ug/l	99
71) Bromoform	12.36	173	46093	19.768	ug/l #	100
73) Isopropylbenzene	12.48	105	407060	19.663	ug/l	99
74) N-amyl acetate	12.29	43	83444	19.108	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	71920	20.445	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	43988m	18.531	ug/l	
77) Bromobenzene	12.76	156	92913	19.473	ug/l	97
78) n-propylbenzene	12.82	91	496499	19.674	ug/l	99
79) 2-Chlorotoluene	12.91	91	282894	19.825	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	349099	19.944	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22573	20.524	ug/l	94
82) 4-Chlorotoluene	13.01	91	308886	20.472	ug/l	98
83) tert-Butylbenzene	13.23	119	279530	19.375	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	349813	19.997	ug/l	98
85) sec-Butylbenzene	13.40	105	402721	19.471	ug/l	100
86) p-Isopropyltoluene	13.52	119	367192	19.528	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	183237	20.017	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	182884	20.063	ug/l	98
89) n-Butylbenzene	13.84	91	350270	19.590	ug/l	98
90) Hexachloroethane	14.11	117	77764	20.132	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	156444	19.945	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11521	20.260	ug/l	94

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96094	20.255	ug/l	98
94) Hexachlorobutadiene	15.27	225	56207	19.665	ug/l	99
95) Naphthalene	15.41	128	158320	19.100	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	81385	19.640	ug/l	95

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

