

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD093020\
 Data File : VD066968.D
 Acq On : 30 Sep 2020 12:41
 Operator : VA/SY
 Sample : VD0930SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0930SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:41:46 PM

Quant Time: Oct 01 01:07:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	399141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	617942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	571488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287441	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	170325	43.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.20%	
35) Dibromofluoromethane	7.91	113	184250	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
50) Toluene-d8	10.34	98	645297	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.63	95	230316	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72947	23.077	ug/l	95
3) Chloromethane	2.21	50	69617	18.983	ug/l	99
4) Vinyl Chloride	2.35	62	69080	19.067	ug/l	100
5) Bromomethane	2.76	94	47741	18.747	ug/l	86
6) Chloroethane	2.92	64	42169	18.743	ug/l #	86
7) Trichlorofluoromethane	3.27	101	152423	20.485	ug/l	98
8) Diethyl Ether	3.71	74	37836	20.030	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90902	21.069	ug/l	98
10) Methyl Iodide	4.30	142	76819	20.177	ug/l	93
11) Tert butyl alcohol	5.22	59	29383	94.825	ug/l #	72
12) 1,1-Dichloroethene	4.07	96	81110	20.752	ug/l	90
13) Acrolein	3.91	56	21583	74.891	ug/l	97
14) Allyl chloride	4.72	41	108117	18.838	ug/l	98
15) Acrylonitrile	5.43	53	76930	91.898	ug/l	99
16) Acetone	4.16	43	60377	72.855	ug/l	96
17) Carbon Disulfide	4.41	76	235998	19.750	ug/l	99
18) Methyl Acetate	4.71	43	34963	16.475	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	166407	19.605	ug/l	93
20) Methylene Chloride	4.97	84	102242	19.283	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	93161	20.585	ug/l	93
22) Diisopropyl ether	6.36	45	236349	20.029	ug/l	97
23) Vinyl Acetate	6.31	43	547510	87.216	ug/l	100
24) 1,1-Dichloroethane	6.27	63	153607	19.458	ug/l #	98
25) 2-Butanone	7.21	43	85490	85.841	ug/l	99
26) 2,2-Dichloropropane	7.21	77	143232	19.795	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	100352	20.409	ug/l	98
28) Bromochloromethane	7.54	49	62444	19.147	ug/l	94
29) Tetrahydrofuran	7.56	42	58459	91.610	ug/l	98
30) Chloroform	7.71	83	165970	19.504	ug/l	100
31) Cyclohexane	7.98	56	136321	19.191	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	156245	20.297	ug/l	98
36) 1,1-Dichloropropene	8.11	75	127856	20.856	ug/l	97
37) Ethyl Acetate	7.28	43	45115	20.357	ug/l	99
38) Carbon Tetrachloride	8.10	117	143745	21.447	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	147952	21.020	ug/l	99
40) Benzene	8.35	78	361869	21.180	ug/l	95
41) Methacrylonitrile	7.53	41	22408m	16.441	ug/l	
42) 1,2-Dichloroethane	8.42	62	102614	20.316	ug/l	99
43) Isopropyl Acetate	8.45	43	78827	18.449	ug/l	99
44) Trichloroethene	9.11	130	104626	21.484	ug/l	98
45) 1,2-Dichloropropane	9.38	63	87341	20.318	ug/l	98
46) Dibromomethane	9.47	93	49156	21.046	ug/l	100
47) Bromodichloromethane	9.66	83	127959	20.394	ug/l #	99
48) Methyl methacrylate	9.46	41	43425	20.613	ug/l	89
49) 1,4-Dioxane	9.46	88	10363	320.767	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	202226	93.406	ug/l	97
52) Toluene	10.40	92	235264	21.377	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	111701	20.917	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	136644	20.985	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	66115	20.591	ug/l	97
56) Ethyl methacrylate	10.66	69	67524	19.631	ug/l	95
57) 1,3-Dichloropropane	10.94	76	110870	20.912	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	190353	116.877	ug/l	95
59) 2-Hexanone	10.98	43	135427	92.756	ug/l	98
60) Dibromochloromethane	11.14	129	89721	21.410	ug/l	99
61) 1,2-Dibromoethane	11.24	107	63008	21.098	ug/l	97
64) Tetrachloroethene	10.87	164	92134	22.413	ug/l	93
65) Chlorobenzene	11.67	112	254990	21.435	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	95949	21.311	ug/l	98
67) Ethyl Benzene	11.74	91	439853	21.053	ug/l	97
68) m/p-Xylenes	11.86	106	347708	43.956	ug/l	99
69) o-Xylene	12.18	106	150776	21.079	ug/l	99
70) Styrene	12.20	104	270669	21.790	ug/l	100
71) Bromoform	12.36	173	48577	21.310	ug/l #	100
73) Isopropylbenzene	12.48	105	426381	20.534	ug/l	98
74) N-amyl acetate	12.29	43	73124	18.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	66965	18.689	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	43114m	18.099	ug/l	
77) Bromobenzene	12.76	156	101732	20.948	ug/l	95
78) n-propylbenzene	12.82	91	513473	20.555	ug/l	99
79) 2-Chlorotoluene	12.91	91	291834	20.501	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	369342	20.963	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20363	21.387	ug/l	95
82) 4-Chlorotoluene	13.01	91	309833	20.647	ug/l	100
83) tert-Butylbenzene	13.23	119	313550	21.657	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	365660	20.929	ug/l	99
85) sec-Butylbenzene	13.41	105	432759	20.786	ug/l	100
86) p-Isopropyltoluene	13.52	119	403239	21.487	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	200349	20.882	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	198518	20.832	ug/l	99
89) n-Butylbenzene	13.85	91	368712	20.671	ug/l	98
90) Hexachloroethane	14.12	117	74525	19.561	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	168586	20.538	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10829	18.788	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	109921	21.272	ug/l	98
94) Hexachlorobutadiene	15.28	225	66089	21.343	ug/l	98
95) Naphthalene	15.41	128	166559	18.985	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	95073	21.317	ug/l	99

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

