

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013120\
 Data File : VD065027.D
 Acq On : 31 Jan 2020 12:01
 Operator : VA/SY
 Sample : VD0131SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:52:28 AM

Quant Time: Jan 31 13:22:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	467676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	681348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	606296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293659	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	226525	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
35) Dibromofluoromethane	7.92	113	220628	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.34	98	849658	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.64	95	265527	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74177	21.054	ug/l	99
3) Chloromethane	2.21	50	107238	20.767	ug/l	98
4) Vinyl Chloride	2.35	62	120251	20.276	ug/l	99
5) Bromomethane	2.76	94	80306	20.129	ug/l	94
6) Chloroethane	2.92	64	78527	20.084	ug/l	96
7) Trichlorofluoromethane	3.27	101	186468	20.358	ug/l	95
8) Diethyl Ether	3.70	74	43107	20.847	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	93774	22.005	ug/l	98
10) Methyl Iodide	4.30	142	88585	19.584	ug/l	99
11) Tert butyl alcohol	5.24	59	22520	90.843	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	84520	20.761	ug/l	98
13) Acrolein	3.93	56	23482	75.561	ug/l	97
14) Allyl chloride	4.71	41	137994	21.253	ug/l	97
15) Acrylonitrile	5.43	53	93638	104.574	ug/l	99
16) Acetone	4.17	43	101102	94.080	ug/l	98
17) Carbon Disulfide	4.40	76	275881	20.591	ug/l	100
18) Methyl Acetate	4.73	43	48331	23.004	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	184876	20.324	ug/l	98
20) Methylene Chloride	4.96	84	103170	19.783	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	97234	20.731	ug/l	95
22) Diisopropyl ether	6.37	45	276829	21.394	ug/l	97
23) Vinyl Acetate	6.31	43	763104	100.725	ug/l	99
24) 1,1-Dichloroethane	6.27	63	170123	21.413	ug/l	98
25) 2-Butanone	7.23	43	124859	103.022	ug/l	97
26) 2,2-Dichloropropane	7.21	77	154105	21.385	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	103952	20.765	ug/l	100
28) Bromochloromethane	7.55	49	57082	17.965	ug/l	99
29) Tetrahydrofuran	7.57	42	75460	100.912	ug/l	98
30) Chloroform	7.71	83	174678	21.269	ug/l	100
31) Cyclohexane	7.98	56	162328	20.770	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	161906	21.191	ug/l	99
36) 1,1-Dichloropropene	8.11	75	138962	21.151	ug/l	98
37) Ethyl Acetate	7.30	43	53877	19.853	ug/l	99
38) Carbon Tetrachloride	8.10	117	147775	21.280	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159827	20.807	ug/l	96
40) Benzene	8.36	78	377490	20.862	ug/l	100
41) Methacrylonitrile	7.53	41	29615	20.257	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	113509	21.058	ug/l	99
43) Isopropyl Acetate	8.46	43	104757	20.321	ug/l	99
44) Trichloroethene	9.12	130	105854	20.902	ug/l	97
45) 1,2-Dichloropropane	9.39	63	91948	20.961	ug/l	100
46) Dibromomethane	9.48	93	49835	20.809	ug/l	99
47) Bromodichloromethane	9.67	83	133538	21.428	ug/l	96
48) Methyl methacrylate	9.46	41	50238	21.177	ug/l	98
49) 1,4-Dioxane	9.47	88	11010	396.386	ug/l #	85
51) 4-Methyl-2-Pentanone	10.24	43	265642	102.986	ug/l	98
52) Toluene	10.41	92	241774	20.724	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	123438	20.794	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	147704	21.252	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	66928	20.747	ug/l	96
56) Ethyl methacrylate	10.67	69	77486	20.086	ug/l	98
57) 1,3-Dichloropropane	10.95	76	116197	21.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	123050	96.012	ug/l	98
59) 2-Hexanone	10.99	43	184392	103.638	ug/l	97
60) Dibromochloromethane	11.14	129	89663	20.795	ug/l	97
61) 1,2-Dibromoethane	11.25	107	65158	20.976	ug/l	100
64) Tetrachloroethene	10.88	164	91946	20.986	ug/l	97
65) Chlorobenzene	11.68	112	255594	20.763	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	99478	21.487	ug/l	98
67) Ethyl Benzene	11.75	91	451389	20.654	ug/l	98
68) m/p-Xylenes	11.86	106	348012	41.359	ug/l	98
69) o-Xylene	12.18	106	155873	20.872	ug/l	96
70) Styrene	12.20	104	273891	20.588	ug/l	99
71) Bromoform	12.37	173	52744	20.495	ug/l #	99
73) Isopropylbenzene	12.49	105	426831	21.266	ug/l	99
74) N-amyl acetate	12.30	43	91528	20.379	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	70737	20.969	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	58106m	23.839	ug/l	
77) Bromobenzene	12.77	156	104687	21.317	ug/l	99
78) n-propylbenzene	12.83	91	506450	21.217	ug/l	100
79) 2-Chlorotoluene	12.91	91	277596	21.199	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	350897	21.333	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	24257	21.250	ug/l	97
82) 4-Chlorotoluene	13.01	91	297686	21.437	ug/l	98
83) tert-Butylbenzene	13.23	119	291151	20.858	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	348254	20.901	ug/l	99
85) sec-Butylbenzene	13.41	105	414089	20.952	ug/l	99
86) p-Isopropyltoluene	13.53	119	384408	20.785	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	195585	20.757	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	193958	20.740	ug/l	97
89) n-Butylbenzene	13.85	91	357004	21.152	ug/l	98
90) Hexachloroethane	14.12	117	75960	21.298	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	168151	21.020	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11475	21.256	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113679	20.541	ug/l	98
94) Hexachlorobutadiene	15.28	225	69837	19.951	ug/l	98
95) Naphthalene	15.41	128	178523	19.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	97580	20.336	ug/l	99

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

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