

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070820\
 Data File : VD065938.D
 Acq On : 08 Jul 2020 14:02
 Operator : VA/SY
 Sample : VD0708SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:48:18 AM

Quant Time: Jul 09 01:33:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	404753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	597939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	563642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	165242	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
35) Dibromofluoromethane	7.91	113	179294	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	10.34	98	674501	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.63	95	235103	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	81080	22.533	ug/l	99
3) Chloromethane	2.21	50	72631	20.362	ug/l	100
4) Vinyl Chloride	2.35	62	65137	19.888	ug/l	96
5) Bromomethane	2.76	94	41261	19.888	ug/l	93
6) Chloroethane	2.92	64	37502	19.155	ug/l	90
7) Trichlorofluoromethane	3.27	101	144595	20.599	ug/l	99
8) Diethyl Ether	3.71	74	38457	19.970	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	84842	20.206	ug/l	98
10) Methyl Iodide	4.30	142	81616	20.040	ug/l	98
11) Tert butyl alcohol	5.23	59	25262	97.887	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	82215	20.959	ug/l	95
13) Acrolein	3.93	56	21654	103.979	ug/l	97
14) Allyl chloride	4.71	41	131250	19.744	ug/l	97
15) Acrylonitrile	5.42	53	79681	94.502	ug/l	99
16) Acetone	4.16	43	69844	83.083	ug/l	98
17) Carbon Disulfide	4.40	76	259350	20.750	ug/l	96
18) Methyl Acetate	4.71	43	33294	16.896	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	164290	19.783	ug/l	99
20) Methylene Chloride	4.96	84	117605	20.189	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	89438	20.265	ug/l	95
22) Diisopropyl ether	6.36	45	254294	20.356	ug/l	97
23) Vinyl Acetate	6.31	43	694019	97.329	ug/l	100
24) 1,1-Dichloroethane	6.27	63	152528	20.476	ug/l	96
25) 2-Butanone	7.21	43	100818	90.758	ug/l	90
26) 2,2-Dichloropropane	7.20	77	129066	19.806	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	96537	20.358	ug/l	99
28) Bromochloromethane	7.55	49	63415	22.536	ug/l	99
29) Tetrahydrofuran	7.56	42	63574	90.002	ug/l	98
30) Chloroform	7.71	83	150367	19.912	ug/l	98
31) Cyclohexane	7.98	56	147878	20.176	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	142048	20.612	ug/l	98
36) 1,1-Dichloropropene	8.11	75	124586	21.097	ug/l	98
37) Ethyl Acetate	7.30	43	45114	18.232	ug/l #	94
38) Carbon Tetrachloride	8.10	117	129331	20.432	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	153777	21.210	ug/l	99
40) Benzene	8.36	78	351335	21.535	ug/l	96
41) Methacrylonitrile	7.52	41	27427	19.091	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	93790	20.293	ug/l	99
43) Isopropyl Acetate	8.45	43	89072	19.339	ug/l	96
44) Trichloroethene	9.11	130	100714	21.010	ug/l	99
45) 1,2-Dichloropropane	9.39	63	85027	20.998	ug/l	99
46) Dibromomethane	9.48	93	42119	19.979	ug/l	99
47) Bromodichloromethane	9.66	83	118479	20.951	ug/l	92
48) Methyl methacrylate	9.46	41	45270	19.524	ug/l	96
49) 1,4-Dioxane	9.46	88	10797	431.035	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	223290	95.893	ug/l	99
52) Toluene	10.40	92	225124	21.690	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	109516	20.596	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	132072	20.556	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	61556	21.193	ug/l	98
56) Ethyl methacrylate	10.66	69	70156	19.775	ug/l	97
57) 1,3-Dichloropropane	10.95	76	102005	20.081	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	177190	103.130	ug/l	100
59) 2-Hexanone	10.98	43	155028	96.807	ug/l	99
60) Dibromochloromethane	11.14	129	80730	20.343	ug/l	99
61) 1,2-Dibromoethane	11.25	107	57812	19.963	ug/l	99
64) Tetrachloroethene	10.87	164	84966	20.729	ug/l	97
65) Chlorobenzene	11.67	112	238724	21.017	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	85369	20.095	ug/l	97
67) Ethyl Benzene	11.74	91	421616	20.894	ug/l	99
68) m/p-Xylenes	11.85	106	323282	42.169	ug/l	100
69) o-Xylene	12.18	106	148422	21.253	ug/l	99
70) Styrene	12.20	104	253262	21.008	ug/l	99
71) Bromoform	12.36	173	47885	19.920	ug/l #	99
73) Isopropylbenzene	12.48	105	408500	21.348	ug/l	99
74) N-amyl acetate	12.29	43	79287	18.465	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	62419	19.648	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	42397m	18.433	ug/l	
77) Bromobenzene	12.76	156	98736	21.274	ug/l	99
78) n-propylbenzene	12.82	91	483560	21.554	ug/l	100
79) 2-Chlorotoluene	12.91	91	268336	21.084	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	339714	21.705	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	20982	19.602	ug/l	97
82) 4-Chlorotoluene	13.01	91	281399	21.074	ug/l	98
83) tert-Butylbenzene	13.23	119	289312	21.696	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	335348	21.525	ug/l	99
85) sec-Butylbenzene	13.40	105	404020	21.379	ug/l	99
86) p-Isopropyltoluene	13.52	119	372555	21.554	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	188075	21.656	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183883	21.223	ug/l	99
89) n-Butylbenzene	13.84	91	340370	20.970	ug/l	99
90) Hexachloroethane	14.11	117	73071	20.964	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	157141	20.702	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10689	20.122	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113763	21.029	ug/l	98
94) Hexachlorobutadiene	15.27	225	68785	21.020	ug/l	97
95) Naphthalene	15.40	128	175327	19.324	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	97121	20.814	ug/l	99

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

