

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065287.D
 Acq On : 24 Feb 2020 11:41
 Operator : VA/SY
 Sample : VD0224SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0224SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 5:15:26 PM

Quant Time: Feb 25 01:35:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	506126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	767568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	689702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	218899	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	7.92	113	227088	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
50) Toluene-d8	10.34	98	895910	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.64	95	291689	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75142	17.701	ug/l	98
3) Chloromethane	2.21	50	100974	18.688	ug/l	98
4) Vinyl Chloride	2.35	62	101746	18.518	ug/l	97
5) Bromomethane	2.76	94	62574	18.836	ug/l	95
6) Chloroethane	2.92	64	62049	18.501	ug/l	97
7) Trichlorofluoromethane	3.27	101	149791	19.042	ug/l	97
8) Diethyl Ether	3.71	74	46997	19.793	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97328	19.593	ug/l	97
10) Methyl Iodide	4.30	142	97718	18.946	ug/l	99
11) Tert butyl alcohol	5.24	59	32548	119.627	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	93977	20.027	ug/l	96
13) Acrolein	3.93	56	41016	106.248	ug/l	99
14) Allyl chloride	4.71	41	152990	20.077	ug/l	97
15) Acrylonitrile	5.43	53	106771	101.566	ug/l	99
16) Acetone	4.17	43	102260	91.877	ug/l	98
17) Carbon Disulfide	4.40	76	302090	19.202	ug/l	98
18) Methyl Acetate	4.73	43	53774	21.482	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	193304	19.754	ug/l	100
20) Methylene Chloride	4.96	84	113085	20.063	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	107370	20.127	ug/l	97
22) Diisopropyl ether	6.37	45	298828	20.342	ug/l	97
23) Vinyl Acetate	6.31	43	794234	98.070	ug/l	99
24) 1,1-Dichloroethane	6.27	63	181416	19.910	ug/l	97
25) 2-Butanone	7.23	43	131768	93.572	ug/l	98
26) 2,2-Dichloropropane	7.21	77	156836	19.838	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	112422	19.895	ug/l	99
28) Bromochloromethane	7.55	49	63332	18.735	ug/l	98
29) Tetrahydrofuran	7.57	42	84204	102.053	ug/l	98
30) Chloroform	7.71	83	183537	19.993	ug/l	97
31) Cyclohexane	7.98	56	176462	19.711	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	163252	19.876	ug/l	99
36) 1,1-Dichloropropene	8.11	75	146035	19.553	ug/l	99
37) Ethyl Acetate	7.30	43	59719	19.127	ug/l	99
38) Carbon Tetrachloride	8.10	117	149891	19.715	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172617	19.660	ug/l	98
40) Benzene	8.36	78	418844	19.869	ug/l	100
41) Methacrylonitrile	7.53	41	32763	18.174	ug/l	98
42) 1,2-Dichloroethane	8.43	62	109504	18.895	ug/l	98
43) Isopropyl Acetate	8.46	43	110537	19.469	ug/l	99
44) Trichloroethene	9.11	130	118056	20.203	ug/l	94
45) 1,2-Dichloropropane	9.39	63	104012	19.843	ug/l	98
46) Dibromomethane	9.48	93	54527	20.217	ug/l	99
47) Bromodichloromethane	9.67	83	138250	19.451	ug/l	97
48) Methyl methacrylate	9.46	41	51487	19.619	ug/l	96
49) 1,4-Dioxane	9.47	88	13082	413.567	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	285623	99.047	ug/l	100
52) Toluene	10.41	92	271394	20.799	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	133343	20.240	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	156378	19.657	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	75809	19.970	ug/l	96
56) Ethyl methacrylate	10.67	69	88442	20.185	ug/l	98
57) 1,3-Dichloropropane	10.95	76	129311	20.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	133599	96.715	ug/l	99
59) 2-Hexanone	10.99	43	198672	96.243	ug/l	97
60) Dibromochloromethane	11.14	129	94995	19.552	ug/l	98
61) 1,2-Dibromoethane	11.25	107	72459	20.160	ug/l	99
64) Tetrachloroethene	10.88	164	100675	20.581	ug/l	98
65) Chlorobenzene	11.67	112	283119	20.456	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	102328	19.812	ug/l	98
67) Ethyl Benzene	11.75	91	489793	20.206	ug/l	99
68) m/p-Xylenes	11.86	106	386566	41.682	ug/l	98
69) o-Xylene	12.18	106	168496	20.507	ug/l	100
70) Styrene	12.20	104	301588	20.674	ug/l	99
71) Bromoform	12.37	173	58435	20.389	ug/l #	99
73) Isopropylbenzene	12.48	105	467867	20.912	ug/l	100
74) N-amyl acetate	12.30	43	96989	19.509	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	84059	20.817	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	53220m	18.509	ug/l	
77) Bromobenzene	12.77	156	114795	20.662	ug/l	100
78) n-propylbenzene	12.83	91	558151	20.759	ug/l	99
79) 2-Chlorotoluene	12.91	91	312064	20.718	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	386713	20.986	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	26808	20.131	ug/l	93
82) 4-Chlorotoluene	13.01	91	329183	20.586	ug/l	100
83) tert-Butylbenzene	13.23	119	315914	20.455	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	382952	20.762	ug/l	99
85) sec-Butylbenzene	13.41	105	460680	20.700	ug/l	99
86) p-Isopropyltoluene	13.53	119	421891	20.730	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	217751	20.274	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	213799	20.169	ug/l	99
89) n-Butylbenzene	13.86	91	387268	20.650	ug/l	100
90) Hexachloroethane	14.12	117	82959	20.075	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	188634	20.454	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12248	19.683	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	124498	20.638	ug/l	98
94) Hexachlorobutadiene	15.28	225	78652	20.325	ug/l	99
95) Naphthalene	15.41	128	203605	20.762	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	110313	20.938	ug/l	99

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

