

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067167.D
 Acq On : 07 Oct 2020 23:18
 Operator : VA/SY
 Sample : VD1007SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/8/2020 5:39:37 PM

Quant Time: Oct 08 08:39:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	342775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	549170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	506519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	167373	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.92	113	179542	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.34	98	655653	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.64	95	230996	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	70627	22.908	ug/l	94
3) Chloromethane	2.21	50	53793	19.706	ug/l	95
4) Vinyl Chloride	2.35	62	54051	19.747	ug/l	99
5) Bromomethane	2.76	94	42393	21.565	ug/l	99
6) Chloroethane	2.92	64	34603	20.759	ug/l	89
7) Trichlorofluoromethane	3.27	101	122193	20.093	ug/l	100
8) Diethyl Ether	3.70	74	29545	19.592	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	66201	19.260	ug/l	97
10) Methyl Iodide	4.30	142	65126	19.500	ug/l	98
11) Tert butyl alcohol	5.20	59	23296	89.130	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	61286	18.967	ug/l	91
13) Acrolein	3.91	56	16341	73.917	ug/l	97
14) Allyl chloride	4.71	41	74713	17.799	ug/l	92
15) Acrylonitrile	5.43	53	52495	94.582	ug/l	96
16) Acetone	4.16	43	45630	90.537	ug/l	93
17) Carbon Disulfide	4.40	76	186851	18.842	ug/l	99
18) Methyl Acetate	4.72	43	24941	19.690	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	120781	20.476	ug/l	99
20) Methylene Chloride	4.97	84	90824	21.205	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	75424	20.511	ug/l	97
22) Diisopropyl ether	6.36	45	148402	19.365	ug/l	95
23) Vinyl Acetate	6.31	43	384347	88.506	ug/l	96
24) 1,1-Dichloroethane	6.26	63	117803	19.918	ug/l	96
25) 2-Butanone	7.21	43	63120	88.336	ug/l	99
26) 2,2-Dichloropropane	7.21	77	100282	17.116	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	83234	21.193	ug/l	95
28) Bromochloromethane	7.55	49	42147	18.453	ug/l	91
29) Tetrahydrofuran	7.56	42	36140	87.963	ug/l	93
30) Chloroform	7.71	83	133019	20.733	ug/l	96
31) Cyclohexane	7.99	56	85755	17.295	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	126353	21.251	ug/l	96
36) 1,1-Dichloropropene	8.11	75	99658	19.469	ug/l	98
37) Ethyl Acetate	7.29	43	31029	17.498	ug/l	98
38) Carbon Tetrachloride	8.09	117	116003	20.945	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	96840	17.894	ug/l	93
40) Benzene	8.35	78	281124	19.772	ug/l	99
41) Methacrylonitrile	7.53	41	19506	20.361	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	81858	20.604	ug/l	98
43) Isopropyl Acetate	8.46	43	58615	17.942	ug/l	98
44) Trichloroethene	9.11	130	85768	20.202	ug/l	91
45) 1,2-Dichloropropane	9.38	63	64164	19.207	ug/l	98
46) Dibromomethane	9.47	93	38792	20.204	ug/l	96
47) Bromodichloromethane	9.66	83	106777	21.394	ug/l	95
48) Methyl methacrylate	9.45	41	27182	16.241	ug/l #	68
49) 1,4-Dioxane	9.46	88	7425	370.523	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	146185	89.838	ug/l	98
52) Toluene	10.40	92	187820	20.507	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	89848	20.142	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	107690	19.771	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	55160	20.663	ug/l	96
56) Ethyl methacrylate	10.66	69	55578	20.166	ug/l	97
57) 1,3-Dichloropropane	10.94	76	89067	20.575	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	149300	97.329	ug/l	95
59) 2-Hexanone	10.98	43	94928	87.406	ug/l	94
60) Dibromochloromethane	11.14	129	75778	21.298	ug/l	97
61) 1,2-Dibromoethane	11.24	107	53045	20.683	ug/l	95
64) Tetrachloroethene	10.87	164	75990	20.636	ug/l	96
65) Chlorobenzene	11.67	112	208652	20.712	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	80790	21.083	ug/l	98
67) Ethyl Benzene	11.74	91	355564	20.599	ug/l	100
68) m/p-Xylenes	11.86	106	280813	41.745	ug/l	100
69) o-Xylene	12.18	106	126446	21.020	ug/l	96
70) Styrene	12.20	104	224109	21.696	ug/l	99
71) Bromoform	12.36	173	43742	21.990	ug/l #	95
73) Isopropylbenzene	12.48	105	343394	20.190	ug/l	98
74) N-amyl acetate	12.29	43	52689	17.233	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	53404	18.636	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	39462m	18.087	ug/l	
77) Bromobenzene	12.77	156	87958	21.417	ug/l	95
78) n-propylbenzene	12.82	91	407086	20.252	ug/l	100
79) 2-Chlorotoluene	12.91	91	240934	20.950	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	308746	21.485	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	16650	19.026	ug/l	99
82) 4-Chlorotoluene	13.01	91	256246	20.942	ug/l	100
83) tert-Butylbenzene	13.23	119	253941	20.985	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	304959	21.265	ug/l	100
85) sec-Butylbenzene	13.41	105	344383	20.209	ug/l	99
86) p-Isopropyltoluene	13.52	119	329683	20.867	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	172540	21.569	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	168639	21.084	ug/l	99
89) n-Butylbenzene	13.85	91	281118	19.469	ug/l	99
90) Hexachloroethane	14.12	117	55325	19.991	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	145548	20.834	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9324	20.185	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	92600	20.492	ug/l	98
94) Hexachlorobutadiene	15.28	225	57244	20.627	ug/l	99
95) Naphthalene	15.41	128	146357	19.417	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	80672	20.565	ug/l	98

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

