

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066716.D
 Acq On : 16 Sep 2020 13:42
 Operator : VA/SY
 Sample : VD0916SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:05:05 PM

Quant Time: Sep 17 01:02:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	414418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	693730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	631416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292168	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	232524	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
35) Dibromofluoromethane	7.91	113	217545	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	10.34	98	781189	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.63	95	267184	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	76811	22.429	ug/l 90
3) Chloromethane	2.21	50	93957	20.834	ug/l 99
4) Vinyl Chloride	2.35	62	97246	20.604	ug/l 97
5) Bromomethane	2.76	94	68831	20.558	ug/l 96
6) Chloroethane	2.92	64	61104	20.782	ug/l 92
7) Trichlorofluoromethane	3.27	101	162083	19.882	ug/l 96
8) Diethyl Ether	3.71	74	41829	20.491	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	88286	19.706	ug/l 100
10) Methyl Iodide	4.30	142	85434	20.098	ug/l 97
11) Tert butyl alcohol	5.20	59	42670	110.283	ug/l 100
12) 1,1-Dichloroethene	4.07	96	79586	19.193	ug/l 95
13) Acrolein	3.93	56	32690	104.828	ug/l 97
14) Allyl chloride	4.71	41	130285	19.564	ug/l 99
15) Acrylonitrile	5.43	53	88059	98.472	ug/l 97
16) Acetone	4.16	43	87017	96.642	ug/l 99
17) Carbon Disulfide	4.41	76	264501	20.299	ug/l 99
18) Methyl Acetate	4.71	43	40727	18.952	ug/l 99
19) Methyl tert-butyl Ether	5.48	73	188343	20.392	ug/l 95
20) Methylene Chloride	4.96	84	104781	16.753	ug/l 93
21) trans-1,2-Dichloroethene	5.47	96	95462	19.760	ug/l 92
22) Diisopropyl ether	6.36	45	281575	20.809	ug/l 97
23) Vinyl Acetate	6.30	43	779746	103.595	ug/l 98
24) 1,1-Dichloroethane	6.26	63	163825	19.079	ug/l 98
25) 2-Butanone	7.21	43	114186	97.390	ug/l 92
26) 2,2-Dichloropropane	7.20	77	151425	19.071	ug/l 99
27) cis-1,2-Dichloroethene	7.21	96	104575	19.786	ug/l 97
28) Bromochloromethane	7.54	49	70630	22.022	ug/l 96
29) Tetrahydrofuran	7.56	42	73330	102.223	ug/l 99
30) Chloroform	7.71	83	183906	20.124	ug/l 100
31) Cyclohexane	7.98	56	151393	19.384	ug/l 94
32) 1,1,1-Trichloroethane	7.90	97	164720	19.697	ug/l 99
36) 1,1-Dichloropropene	8.11	75	138599	19.432	ug/l 99
37) Ethyl Acetate	7.29	43	56041	20.754	ug/l 97
38) Carbon Tetrachloride	8.10	117	146819	19.384	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	153927	18.867	ug/l	91
40) Benzene	8.34	78	375892	19.480	ug/l	94
41) Methacrylonitrile	7.53	41	29019	20.300	ug/l #	63
42) 1,2-Dichloroethane	8.42	62	119341	19.963	ug/l	99
43) Isopropyl Acetate	8.44	43	100623	19.798	ug/l	98
44) Trichloroethene	9.11	130	101734	19.719	ug/l	100
45) 1,2-Dichloropropane	9.38	63	92814	19.456	ug/l	92
46) Dibromomethane	9.47	93	52820	20.150	ug/l	97
47) Bromodichloromethane	9.66	83	140595	19.683	ug/l	98
48) Methyl methacrylate	9.45	41	48489	18.757	ug/l #	86
49) 1,4-Dioxane	9.46	88	10910	388.534	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	261395	99.900	ug/l	99
52) Toluene	10.40	92	243791	19.722	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	127299	19.950	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	150800	19.897	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	69999	20.253	ug/l	95
56) Ethyl methacrylate	10.66	69	80082	20.418	ug/l	95
57) 1,3-Dichloropropane	10.94	76	120296	19.833	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	205373	119.226	ug/l	100
59) 2-Hexanone	10.98	43	171361	97.469	ug/l	98
60) Dibromochloromethane	11.14	129	87845	19.506	ug/l	95
61) 1,2-Dibromoethane	11.24	107	66953	20.195	ug/l	98
64) Tetrachloroethene	10.87	164	80427	18.659	ug/l	93
65) Chlorobenzene	11.67	112	254385	19.459	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	94291	19.548	ug/l	98
67) Ethyl Benzene	11.74	91	450025	19.005	ug/l	96
68) m/p-Xylenes	11.85	106	341191	38.124	ug/l	98
69) o-Xylene	12.18	106	151266	19.126	ug/l	99
70) Styrene	12.19	104	268719	19.305	ug/l	98
71) Bromoform	12.36	173	46435	19.183	ug/l #	99
73) Isopropylbenzene	12.48	105	424291	19.453	ug/l	99
74) N-amyl acetate	12.28	43	91518	19.891	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	75382	20.339	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	46049m	18.413	ug/l	
77) Bromobenzene	12.76	156	97110	19.317	ug/l	99
78) n-propylbenzene	12.82	91	521232	19.604	ug/l	100
79) 2-Chlorotoluene	12.91	91	291550	19.393	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	360885	19.569	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23410	20.202	ug/l	98
82) 4-Chlorotoluene	13.00	91	316535	19.912	ug/l	98
83) tert-Butylbenzene	13.23	119	291250	19.161	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	362902	19.691	ug/l	98
85) sec-Butylbenzene	13.40	105	415316	19.059	ug/l	100
86) p-Isopropyltoluene	13.52	119	386059	19.487	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	187509	19.442	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	186384	19.407	ug/l	99
89) n-Butylbenzene	13.84	91	358421	19.027	ug/l	98
90) Hexachloroethane	14.11	117	77293	18.992	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	159427	19.292	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12428	20.744	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96641	19.335	ug/l	99
94) Hexachlorobutadiene	15.27	225	56877	18.887	ug/l	98
95) Naphthalene	15.41	128	168555	19.301	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	83480	19.121	ug/l	96

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

