

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066715.D
 Acq On : 16 Sep 2020 13:15
 Operator : VA/SY
 Sample : VD0916SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:05:03 PM

Quant Time: Sep 17 01:00:47 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	7.97	168	410512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	690556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	617722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236792	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
35) Dibromofluoromethane	7.91	113	221329	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.34	98	814357	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
62) 4-Bromofluorobenzene	12.63	95	278412	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76124	22.443	ug/l	90
3) Chloromethane	2.21	50	93686	20.972	ug/l	99
4) Vinyl Chloride	2.35	62	95834	20.498	ug/l	90
5) Bromomethane	2.76	94	71884	21.674	ug/l	94
6) Chloroethane	2.92	64	58633	20.131	ug/l	89
7) Trichlorofluoromethane	3.27	101	164690	20.394	ug/l	95
8) Diethyl Ether	3.71	74	40003	19.783	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	86936	19.589	ug/l	96
10) Methyl Iodide	4.30	142	78681	18.686	ug/l	97
11) Tert butyl alcohol	5.21	59	36895	84.242	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	81177	19.763	ug/l	94
13) Acrolein	3.93	56	29995	97.101	ug/l	93
14) Allyl chloride	4.71	41	130837	19.834	ug/l	99
15) Acrylonitrile	5.41	53	84520	95.414	ug/l	99
16) Acetone	4.15	43	80863	90.662	ug/l	97
17) Carbon Disulfide	4.41	76	268129	20.773	ug/l	97
18) Methyl Acetate	4.71	43	39673	18.573	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	183106	20.013	ug/l	94
20) Methylene Chloride	4.96	84	103252	16.621	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	98739	20.632	ug/l	98
22) Diisopropyl ether	6.36	45	275284	20.538	ug/l	95
23) Vinyl Acetate	6.30	43	755841	101.375	ug/l	100
24) 1,1-Dichloroethane	6.26	63	168115	19.765	ug/l	98
25) 2-Butanone	7.21	43	111900	96.348	ug/l	95
26) 2,2-Dichloropropane	7.20	77	155172	19.728	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	104799	20.017	ug/l	98
28) Bromochloromethane	7.55	49	72138	22.706	ug/l	100
29) Tetrahydrofuran	7.56	42	67625	95.167	ug/l	97
30) Chloroform	7.71	83	181046	19.999	ug/l	94
31) Cyclohexane	7.98	56	155288	20.071	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	168208	20.306	ug/l	98
36) 1,1-Dichloropropene	8.10	75	141936	19.991	ug/l	99
37) Ethyl Acetate	7.29	43	50760	18.885	ug/l #	95
38) Carbon Tetrachloride	8.09	117	151035	20.032	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	152398	18.766	ug/l	96
40) Benzene	8.34	78	375258	19.536	ug/l	100
41) Methacrylonitrile	7.53	41	29028m	20.400	ug/l	
42) 1,2-Dichloroethane	8.42	62	116087	19.508	ug/l	97
43) Isopropyl Acetate	8.45	43	98948	19.558	ug/l	99
44) Trichloroethene	9.11	130	99624	19.398	ug/l	99
45) 1,2-Dichloropropane	9.38	63	92845	19.552	ug/l	91
46) Dibromomethane	9.47	93	52347	20.061	ug/l	97
47) Bromodichloromethane	9.66	83	139950	19.683	ug/l	99
48) Methyl methacrylate	9.45	41	51011	19.823	ug/l	98
49) 1,4-Dioxane	9.46	88	10972	392.538	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	243900	93.642	ug/l	99
52) Toluene	10.40	92	243384	19.779	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	123489	19.441	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	147761	19.585	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	67985	19.761	ug/l	95
56) Ethyl methacrylate	10.66	69	73894	18.927	ug/l	95
57) 1,3-Dichloropropane	10.94	76	117963	19.538	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	190144	110.892	ug/l	98
59) 2-Hexanone	10.98	43	165306	94.457	ug/l	100
60) Dibromochloromethane	11.14	129	87500	19.519	ug/l	96
61) 1,2-Dibromoethane	11.24	107	65894	19.967	ug/l	98
64) Tetrachloroethene	10.87	164	81730	19.382	ug/l	96
65) Chlorobenzene	11.67	112	252416	19.736	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	94163	19.955	ug/l	98
67) Ethyl Benzene	11.74	91	454163	19.605	ug/l	97
68) m/p-Xylenes	11.85	106	347912	39.736	ug/l	100
69) o-Xylene	12.18	106	150130	19.404	ug/l	98
70) Styrene	12.20	104	269503	19.790	ug/l	98
71) Bromoform	12.36	173	46429	19.605	ug/l #	99
73) Isopropylbenzene	12.48	105	427915	19.844	ug/l	98
74) N-amyl acetate	12.28	43	85906	18.885	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	71217	19.435	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	56025m	22.659	ug/l	
77) Bromobenzene	12.76	156	92706	18.652	ug/l	97
78) n-propylbenzene	12.82	91	521517	19.839	ug/l	100
79) 2-Chlorotoluene	12.91	91	294900	19.840	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	367606	20.162	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22852	19.947	ug/l	99
82) 4-Chlorotoluene	13.01	91	315178	20.054	ug/l	98
83) tert-Butylbenzene	13.23	119	291588	19.403	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	362127	19.874	ug/l	100
85) sec-Butylbenzene	13.40	105	429356	19.929	ug/l	98
86) p-Isopropyltoluene	13.52	119	386908	19.754	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	186319	19.540	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	185295	19.514	ug/l	99
89) n-Butylbenzene	13.84	91	360870	19.376	ug/l	99
90) Hexachloroethane	14.11	117	79440	19.743	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	157839	19.318	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11426	19.290	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96157	19.458	ug/l	98
94) Hexachlorobutadiene	15.27	225	57939	19.460	ug/l	99
95) Naphthalene	15.41	128	158388	18.345	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	83130	19.259	ug/l	99

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

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