

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066704.D
 Acq On : 15 Sep 2020 18:53
 Operator : VA/SY
 Sample : VD0915SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0915SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:28 AM

Quant Time: Sep 16 01:57:47 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	7.98	168	399022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	675193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	620500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281336	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	221306	51.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.96%	
35) Dibromofluoromethane	7.91	113	210525	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.72%	
50) Toluene-d8	10.34	98	763585	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.63	95	254972	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	79157	24.372	ug/l	99
3) Chloromethane	2.21	50	95760	22.053	ug/l	96
4) Vinyl Chloride	2.35	62	96340	21.200	ug/l	96
5) Bromomethane	2.76	94	67737	21.012	ug/l	96
6) Chloroethane	2.91	64	58559	20.685	ug/l #	87
7) Trichlorofluoromethane	3.27	101	160958	20.506	ug/l	99
8) Diethyl Ether	3.71	74	41068	20.894	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	85947	19.924	ug/l	98
10) Methyl Iodide	4.30	142	79124	19.332	ug/l	98
11) Tert butyl alcohol	5.21	59	41450m	112.104	ug/l	
12) 1,1-Dichloroethene	4.06	96	83344	20.874	ug/l	93
13) Acrolein	3.92	56	31016	103.297	ug/l	93
14) Allyl chloride	4.71	41	130415	20.339	ug/l	98
15) Acrylonitrile	5.42	53	89204	103.602	ug/l	98
16) Acetone	4.16	43	77812	89.753	ug/l	96
17) Carbon Disulfide	4.40	76	267744	21.341	ug/l	100
18) Methyl Acetate	4.72	43	44392	21.968	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	187119	21.041	ug/l	100
20) Methylene Chloride	4.96	84	111512	19.426	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	96476	20.740	ug/l	94
22) Diisopropyl ether	6.36	45	277070	21.266	ug/l	99
23) Vinyl Acetate	6.30	43	758963	104.725	ug/l	99
24) 1,1-Dichloroethane	6.26	63	170508	20.623	ug/l	96
25) 2-Butanone	7.21	43	114522	101.445	ug/l	100
26) 2,2-Dichloropropane	7.20	77	145491	19.030	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	101431	19.932	ug/l	97
28) Bromochloromethane	7.54	49	72182	23.374	ug/l	96
29) Tetrahydrofuran	7.56	42	72223	104.565	ug/l	99
30) Chloroform	7.71	83	179411	20.390	ug/l	93
31) Cyclohexane	7.99	56	153757	20.446	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	167724	20.831	ug/l	99
36) 1,1-Dichloropropene	8.11	75	134151	19.325	ug/l	98
37) Ethyl Acetate	7.30	43	49396	18.796	ug/l #	80
38) Carbon Tetrachloride	8.09	117	144789	19.640	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	150385	18.939	ug/l	97
40) Benzene	8.34	78	378512	20.154	ug/l	99
41) Methacrylonitrile	7.53	41	28744	20.660	ug/l #	63
42) 1,2-Dichloroethane	8.42	62	119793	20.588	ug/l	99
43) Isopropyl Acetate	8.44	43	97164	19.643	ug/l	98
44) Trichloroethene	9.11	130	100200	19.954	ug/l	98
45) 1,2-Dichloropropane	9.38	63	96337	20.749	ug/l	95
46) Dibromomethane	9.47	93	49685	19.474	ug/l	95
47) Bromodichloromethane	9.66	83	141279	20.322	ug/l	99
48) Methyl methacrylate	9.45	41	48446	19.255	ug/l	92
49) 1,4-Dioxane	9.46	88	11496	420.643	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	256171	100.591	ug/l	99
52) Toluene	10.40	92	240309	19.974	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	124861	20.105	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	146495	19.859	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	69232	20.581	ug/l	98
56) Ethyl methacrylate	10.66	69	77125	20.204	ug/l	98
57) 1,3-Dichloropropane	10.94	76	119037	20.165	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	190244	113.475	ug/l	97
59) 2-Hexanone	10.98	43	170569	99.682	ug/l	99
60) Dibromochloromethane	11.14	129	91924	20.973	ug/l	99
61) 1,2-Dibromoethane	11.24	107	67007	20.766	ug/l	98
64) Tetrachloroethene	10.87	164	80935	19.108	ug/l	94
65) Chlorobenzene	11.67	112	253101	19.701	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	93076	19.636	ug/l	98
67) Ethyl Benzene	11.74	91	450317	19.352	ug/l	97
68) m/p-Xylenes	11.85	106	342471	38.940	ug/l	99
69) o-Xylene	12.18	106	153890	19.801	ug/l	97
70) Styrene	12.19	104	268495	19.628	ug/l	98
71) Bromoform	12.36	173	45608	19.172	ug/l #	99
73) Isopropylbenzene	12.48	105	423734	20.175	ug/l	100
74) N-amyl acetate	12.29	43	88304	19.932	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	75971	21.287	ug/l	93
76) 1,2,3-Trichloropropane	12.78	75	45151m	18.749	ug/l	
77) Bromobenzene	12.76	156	96469	19.929	ug/l	99
78) n-propylbenzene	12.82	91	518571	20.255	ug/l	100
79) 2-Chlorotoluene	12.91	91	294152	20.319	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	361615	20.363	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22284	19.971	ug/l	96
82) 4-Chlorotoluene	13.00	91	319056	20.843	ug/l	98
83) tert-Butylbenzene	13.23	119	293270	20.037	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	361889	20.392	ug/l	100
85) sec-Butylbenzene	13.40	105	422438	20.132	ug/l	99
86) p-Isopropyltoluene	13.52	119	379340	19.885	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	186161	20.045	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	185411	20.049	ug/l	99
89) n-Butylbenzene	13.85	91	356599	19.659	ug/l	98
90) Hexachloroethane	14.11	117	78588	20.054	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	163731	20.575	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12607	21.853	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	98689	20.505	ug/l	99
94) Hexachlorobutadiene	15.27	225	55398	19.104	ug/l	98
95) Naphthalene	15.41	128	166986	19.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	82813	19.699	ug/l	95

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

