

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066230.D
 Acq On : 14 Aug 2020 12:16
 Operator : VA/SY
 Sample : VD0814SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:45:55 PM

Quant Time: Aug 17 08:58:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	309561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	443586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	405681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	211142	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	135155	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.88%	
35) Dibromofluoromethane	7.91	113	137665	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
50) Toluene-d8	10.34	98	519433	50.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.63	95	186941	50.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	57360	21.031	ug/l	100
3) Chloromethane	2.20	50	42626	20.092	ug/l	92
4) Vinyl Chloride	2.35	62	38974	20.750	ug/l	96
5) Bromomethane	2.76	94	26592	21.339	ug/l	96
6) Chloroethane	2.92	64	22332	19.369	ug/l	90
7) Trichlorofluoromethane	3.27	101	96087	19.622	ug/l	95
8) Diethyl Ether	3.71	74	25746	18.633	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	57124	19.656	ug/l	98
10) Methyl Iodide	4.30	142	51392	23.528	ug/l	98
11) Tert butyl alcohol	5.21	59	23423	89.137	ug/l	97
12) 1,1-Dichloroethene	4.07	96	53080	19.362	ug/l	98
13) Acrolein	3.91	56	13439	61.134	ug/l	98
14) Allyl chloride	4.71	41	74671	17.979	ug/l	95
15) Acrylonitrile	5.41	53	50553	86.825	ug/l	97
16) Acetone	4.16	43	51651	98.566	ug/l	97
17) Carbon Disulfide	4.40	76	154053	17.673	ug/l	98
18) Methyl Acetate	4.71	43	23652	17.770	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	114946	18.293	ug/l	98
20) Methylene Chloride	4.96	84	75736	22.611	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	59128	18.775	ug/l	96
22) Diisopropyl ether	6.36	45	151693	18.469	ug/l	98
23) Vinyl Acetate	6.30	43	436186	90.652	ug/l	96
24) 1,1-Dichloroethane	6.26	63	96949	19.074	ug/l	96
25) 2-Butanone	7.21	43	69250	89.849	ug/l	97
26) 2,2-Dichloropropane	7.20	77	94848	20.820	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	62517	18.926	ug/l	97
28) Bromochloromethane	7.54	49	37244	20.862	ug/l	94
29) Tetrahydrofuran	7.56	42	41550	87.012	ug/l	99
30) Chloroform	7.70	83	102680	19.239	ug/l	97
31) Cyclohexane	7.98	56	91622	18.936	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	100587	20.100	ug/l	100
36) 1,1-Dichloropropene	8.11	75	80866	19.400	ug/l	99
37) Ethyl Acetate	7.29	43	29697	17.981	ug/l	97
38) Carbon Tetrachloride	8.09	117	91462	19.676	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	98848	19.617	ug/l	99
40) Benzene	8.34	78	221031	19.115	ug/l	96
41) Methacrylonitrile	7.53	41	21084m	21.712	ug/l	
42) 1,2-Dichloroethane	8.42	62	65591	19.309	ug/l	99
43) Isopropyl Acetate	8.44	43	57135	17.558	ug/l	98
44) Trichloroethene	9.11	130	69181	19.854	ug/l	99
45) 1,2-Dichloropropane	9.38	63	52687	18.630	ug/l	99
46) Dibromomethane	9.47	93	29631	19.021	ug/l	98
47) Bromodichloromethane	9.66	83	77988	18.942	ug/l	90
48) Methyl methacrylate	9.45	41	27921	16.804	ug/l #	87
49) 1,4-Dioxane	9.46	88	7152	357.356	ug/l	91
51) 4-Methyl-2-Pentanone	10.22	43	146582	87.696	ug/l	100
52) Toluene	10.40	92	148487	19.515	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	75175	19.240	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	87522	19.118	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	41825	18.646	ug/l	96
56) Ethyl methacrylate	10.66	69	49588	18.402	ug/l	97
57) 1,3-Dichloropropane	10.94	76	70136	18.834	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	128808	106.269	ug/l	99
59) 2-Hexanone	10.98	43	107318	91.485	ug/l	97
60) Dibromochloromethane	11.14	129	58710	18.958	ug/l	100
61) 1,2-Dibromoethane	11.24	107	40554	18.799	ug/l	100
64) Tetrachloroethene	10.87	164	61347	19.693	ug/l	95
65) Chlorobenzene	11.67	112	162613	19.745	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	63180	19.607	ug/l	98
67) Ethyl Benzene	11.74	91	287106	20.118	ug/l	96
68) m/p-Xylenes	11.85	106	221145	39.995	ug/l	97
69) o-Xylene	12.18	106	99686	19.819	ug/l	99
70) Styrene	12.19	104	178659	20.268	ug/l	99
71) Bromoform	12.36	173	35695	18.697	ug/l #	100
73) Isopropylbenzene	12.48	105	279807	19.853	ug/l	98
74) N-amyl acetate	12.29	43	55722	17.954	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	44346	18.452	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	30075m	17.081	ug/l	
77) Bromobenzene	12.76	156	70714	19.490	ug/l	99
78) n-propylbenzene	12.82	91	332039	20.267	ug/l	100
79) 2-Chlorotoluene	12.91	91	186430	19.896	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	234682	19.910	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	14425	18.110	ug/l	97
82) 4-Chlorotoluene	13.01	91	199162	20.134	ug/l	99
83) tert-Butylbenzene	13.23	119	208091	20.074	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	237419	20.127	ug/l	99
85) sec-Butylbenzene	13.40	105	287986	20.577	ug/l	100
86) p-Isopropyltoluene	13.52	119	269989	20.568	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	136890	20.075	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	135457	19.919	ug/l	98
89) n-Butylbenzene	13.84	91	240714	20.467	ug/l	98
90) Hexachloroethane	14.11	117	50695	19.364	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	118875	19.712	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7119	17.235	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	84620	19.041	ug/l	99
94) Hexachlorobutadiene	15.27	225	53267	20.354	ug/l	98
95) Naphthalene	15.41	128	127827	17.653	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	72404	18.456	ug/l	99

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

