

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066907.D
 Acq On : 28 Sep 2020 12:24
 Operator : VA/SY
 Sample : VD0928SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:46:42 AM

Quant Time: Sep 29 01:10:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	406747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	641361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	593211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	181290	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
35) Dibromofluoromethane	7.91	113	191140	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
50) Toluene-d8	10.34	98	691793	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.63	95	245068	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	70753	21.647 ug/l	90
3) Chloromethane	2.20	50	69065	18.481 ug/l	98
4) Vinyl Chloride	2.35	62	67549	18.296 ug/l	98
5) Bromomethane	2.76	94	46447	17.898 ug/l	97
6) Chloroethane	2.91	64	39333	17.155 ug/l #	87
7) Trichlorofluoromethane	3.27	101	145726	19.219 ug/l	96
8) Diethyl Ether	3.70	74	38842	20.178 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	87419	19.882 ug/l	98
10) Methyl Iodide	4.30	142	71332	18.385 ug/l	96
11) Tert butyl alcohol	5.23	59	30359m	96.965 ug/l	
12) 1,1-Dichloroethene	4.06	96	77804	19.534 ug/l	96
13) Acrolein	3.92	56	28021	95.413 ug/l	89
14) Allyl chloride	4.71	41	106661	18.237 ug/l	96
15) Acrylonitrile	5.43	53	85357	100.058 ug/l	99
16) Acetone	4.16	43	74640	88.381 ug/l	97
17) Carbon Disulfide	4.40	76	237646	19.516 ug/l	97
18) Methyl Acetate	4.72	43	40362	19.183 ug/l	94
19) Methyl tert-butyl Ether	5.47	73	176792	20.439 ug/l	93
20) Methylene Chloride	4.97	84	115796	22.165 ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	92449	20.046 ug/l	97
22) Diisopropyl ether	6.36	45	232906	19.368 ug/l	96
23) Vinyl Acetate	6.31	43	587796	91.739 ug/l	97
24) 1,1-Dichloroethane	6.26	63	154133	19.159 ug/l	94
25) 2-Butanone	7.21	43	99047	97.594 ug/l	100
26) 2,2-Dichloropropane	7.21	77	140116	19.003 ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	98458	19.649 ug/l	99
28) Bromochloromethane	7.54	49	63544	19.120 ug/l	94
29) Tetrahydrofuran	7.56	42	63797	98.105 ug/l	94
30) Chloroform	7.71	83	166880	19.244 ug/l	99
31) Cyclohexane	7.98	56	135237	18.683 ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	154747	19.727 ug/l	98
36) 1,1-Dichloropropene	8.11	75	122316	19.224 ug/l	98
37) Ethyl Acetate	7.30	43	47724	20.748 ug/l	95
38) Carbon Tetrachloride	8.09	117	137382	19.749 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	143430	19.633	ug/l	98
40) Benzene	8.35	78	351968	19.848	ug/l	95
41) Methacrylonitrile	7.52	41	28460m	20.119	ug/l	
42) 1,2-Dichloroethane	8.43	62	101419	19.346	ug/l	98
43) Isopropyl Acetate	8.45	43	85846	19.358	ug/l	96
44) Trichloroethene	9.11	130	105159	20.805	ug/l	94
45) 1,2-Dichloropropane	9.38	63	88960	19.939	ug/l	91
46) Dibromomethane	9.47	93	48776	20.121	ug/l	97
47) Bromodichloromethane	9.66	83	127113	19.520	ug/l #	95
48) Methyl methacrylate	9.46	41	42397	19.390	ug/l	99
49) 1,4-Dioxane	9.46	88	14361	467.096	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	228160	101.536	ug/l	97
52) Toluene	10.40	92	233642	20.455	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	111284	20.078	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	136130	20.143	ug/l #	89
55) 1,1,2-Trichloroethane	10.80	97	69284	20.791	ug/l	90
56) Ethyl methacrylate	10.66	69	73741	20.656	ug/l	96
57) 1,3-Dichloropropane	10.94	76	113272	20.585	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	212536	125.732	ug/l	98
59) 2-Hexanone	10.98	43	153695	101.424	ug/l	96
60) Dibromochloromethane	11.14	129	93717	21.547	ug/l	96
61) 1,2-Dibromoethane	11.24	107	65499	21.131	ug/l	98
64) Tetrachloroethene	10.87	164	89391	20.949	ug/l	96
65) Chlorobenzene	11.67	112	246240	19.942	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	93585	20.025	ug/l	98
67) Ethyl Benzene	11.74	91	432749	19.954	ug/l	100
68) m/p-Xylenes	11.85	106	333954	40.672	ug/l	100
69) o-Xylene	12.18	106	150039	20.208	ug/l	99
70) Styrene	12.19	104	261630	20.291	ug/l	100
71) Bromoform	12.36	173	51660	21.832	ug/l #	94
73) Isopropylbenzene	12.48	105	417261	19.889	ug/l	98
74) N-amyl acetate	12.28	43	79824	19.484	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	70280	19.414	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	43268m	17.978	ug/l	
77) Bromobenzene	12.76	156	99805	20.341	ug/l	98
78) n-propylbenzene	12.82	91	494056	19.575	ug/l	100
79) 2-Chlorotoluene	12.91	91	272777	18.966	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	350121	19.669	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21693	22.551	ug/l	94
82) 4-Chlorotoluene	13.01	91	300828	19.842	ug/l	100
83) tert-Butylbenzene	13.23	119	291668	19.940	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	356672	20.206	ug/l	100
85) sec-Butylbenzene	13.40	105	420005	19.968	ug/l	99
86) p-Isopropyltoluene	13.52	119	380071	20.046	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	191336	19.738	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	191135	19.853	ug/l	98
89) n-Butylbenzene	13.84	91	344646	19.124	ug/l	99
90) Hexachloroethane	14.11	117	73147	19.003	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	167267	20.169	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11861	20.368	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	106477	20.395	ug/l	99
94) Hexachlorobutadiene	15.27	225	64149	20.505	ug/l	97
95) Naphthalene	15.41	128	182627	20.604	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	92798	20.594	ug/l	98

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

