

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066760.D
 Acq On : 18 Sep 2020 12:28
 Operator : VA/SY
 Sample : VD0918SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/21/2020 11:48:55 AM

Quant Time: Sep 19 03:45:14 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	414354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	679561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	616803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286225	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	218996	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	7.91	113	211881	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	10.34	98	775698	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.63	95	259495	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79249	23.311	ug/l	97
3) Chloromethane	2.21	50	91053	20.194	ug/l	98
4) Vinyl Chloride	2.35	62	93627	19.840	ug/l	98
5) Bromomethane	2.76	94	59892	17.891	ug/l	96
6) Chloroethane	2.92	64	55918	19.021	ug/l	90
7) Trichlorofluoromethane	3.27	101	173352	21.268	ug/l	100
8) Diethyl Ether	3.71	74	43464	21.295	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	94832	21.170	ug/l	97
10) Methyl Iodide	4.30	142	78911	18.567	ug/l	99
11) Tert butyl alcohol	5.21	59	41800	106.137	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	86219	20.795	ug/l	97
13) Acrolein	3.93	56	27386	87.833	ug/l	98
14) Allyl chloride	4.71	41	133911	20.112	ug/l	97
15) Acrylonitrile	5.42	53	91531	102.371	ug/l	98
16) Acetone	4.16	43	92345	102.575	ug/l	94
17) Carbon Disulfide	4.41	76	275246	21.127	ug/l	100
18) Methyl Acetate	4.71	43	41399	19.333	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	189947	20.568	ug/l	99
20) Methylene Chloride	4.96	84	115772	19.420	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	101705	21.055	ug/l	95
22) Diisopropyl ether	6.36	45	281401	20.799	ug/l	98
23) Vinyl Acetate	6.30	43	774229	102.878	ug/l	98
24) 1,1-Dichloroethane	6.26	63	175609	20.455	ug/l	99
25) 2-Butanone	7.21	43	118684	101.242	ug/l	99
26) 2,2-Dichloropropane	7.21	77	157593	19.850	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	107447	20.332	ug/l	99
28) Bromochloromethane	7.54	49	70489	21.981	ug/l	95
29) Tetrahydrofuran	7.57	42	70759	98.654	ug/l	96
30) Chloroform	7.71	83	184480	20.190	ug/l	95
31) Cyclohexane	7.98	56	158369	20.280	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	174351	20.852	ug/l	100
36) 1,1-Dichloropropene	8.11	75	147201	21.068	ug/l	98
37) Ethyl Acetate	7.29	43	49975	18.894	ug/l #	91
38) Carbon Tetrachloride	8.10	117	152780	20.591	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165365	20.692	ug/l	93
40) Benzene	8.35	78	395847	20.942	ug/l	98
41) Methacrylonitrile	7.53	41	28845	20.599	ug/l #	62
42) 1,2-Dichloroethane	8.43	62	117424	20.052	ug/l	98
43) Isopropyl Acetate	8.45	43	98741	19.833	ug/l	98
44) Trichloroethene	9.11	130	104612	20.699	ug/l	100
45) 1,2-Dichloropropane	9.38	63	99021	21.190	ug/l	92
46) Dibromomethane	9.47	93	53680	20.905	ug/l	97
47) Bromodichloromethane	9.66	83	144654	20.673	ug/l	98
48) Methyl methacrylate	9.45	41	51705	20.418	ug/l	96
49) 1,4-Dioxane	9.46	88	12380	450.077	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	257427	100.435	ug/l	99
52) Toluene	10.40	92	252828	20.879	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	126308	20.207	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	155678	20.969	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	72025	21.274	ug/l	98
56) Ethyl methacrylate	10.66	69	75465	19.642	ug/l	98
57) 1,3-Dichloropropane	10.94	76	122002	20.534	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	202727	120.144	ug/l	97
59) 2-Hexanone	10.98	43	178981	103.926	ug/l	97
60) Dibromochloromethane	11.14	129	93134	21.112	ug/l	97
61) 1,2-Dibromoethane	11.24	107	69141	21.290	ug/l	95
64) Tetrachloroethene	10.87	164	88812	21.093	ug/l	93
65) Chlorobenzene	11.67	112	264676	20.726	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	99821	21.185	ug/l	98
67) Ethyl Benzene	11.74	91	474911	20.531	ug/l	99
68) m/p-Xylenes	11.86	106	372692	42.630	ug/l	96
69) o-Xylene	12.18	106	158156	20.471	ug/l	99
70) Styrene	12.20	104	283935	20.881	ug/l	99
71) Bromoform	12.36	173	49426	20.902	ug/l #	100
73) Isopropylbenzene	12.48	105	443465	20.754	ug/l	100
74) N-amyl acetate	12.29	43	88831	19.708	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	74918	20.634	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	47409m	19.351	ug/l	
77) Bromobenzene	12.76	156	102565	20.826	ug/l	98
78) n-propylbenzene	12.82	91	545674	20.949	ug/l	99
79) 2-Chlorotoluene	12.91	91	307361	20.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	383118	21.206	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24167	21.289	ug/l	95
82) 4-Chlorotoluene	13.01	91	323280	20.759	ug/l	100
83) tert-Butylbenzene	13.23	119	301802	20.268	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	373356	20.678	ug/l	100
85) sec-Butylbenzene	13.40	105	445926	20.889	ug/l	98
86) p-Isopropyltoluene	13.52	119	396038	20.406	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	197241	20.876	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	196194	20.852	ug/l	98
89) n-Butylbenzene	13.84	91	381560	20.676	ug/l	98
90) Hexachloroethane	14.11	117	83678	20.988	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	170976	21.119	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12024	20.486	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	105655	21.577	ug/l	99
94) Hexachlorobutadiene	15.27	225	62033	21.027	ug/l	98
95) Naphthalene	15.41	128	172149	20.122	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	91152	21.312	ug/l	98

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

