

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066212.D
 Acq On : 13 Aug 2020 16:06
 Operator : VA/SY
 Sample : VD0813SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2020 5:11:57 PM

Quant Time: Aug 14 03:28:53 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	305467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	445637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	405535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212632	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	148810	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
35) Dibromofluoromethane	7.91	113	148128	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
50) Toluene-d8	10.34	98	555934	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
62) 4-Bromofluorobenzene	12.63	95	199214	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	55081	20.467	ug/l	99
3) Chloromethane	2.20	50	38429	18.356	ug/l	97
4) Vinyl Chloride	2.34	62	36043	19.446	ug/l	95
5) Bromomethane	2.76	94	25129	20.435	ug/l	95
6) Chloroethane	2.91	64	22275	19.579	ug/l #	86
7) Trichlorofluoromethane	3.27	101	91196	18.873	ug/l	97
8) Diethyl Ether	3.71	74	25276	18.538	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	54298	18.934	ug/l	98
10) Methyl Iodide	4.30	142	52391	24.085	ug/l	98
11) Tert butyl alcohol	5.21	59	23876	93.557	ug/l #	76
12) 1,1-Dichloroethene	4.07	96	51078	18.881	ug/l	89
13) Acrolein	3.91	56	15019	69.237	ug/l	94
14) Allyl chloride	4.70	41	73912	18.034	ug/l	97
15) Acrylonitrile	5.42	53	56221	97.853	ug/l	98
16) Acetone	4.16	43	51572	99.735	ug/l	98
17) Carbon Disulfide	4.40	76	155619	18.092	ug/l	99
18) Methyl Acetate	4.71	43	25348	19.299	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	117145	18.893	ug/l	99
20) Methylene Chloride	4.96	84	77992	23.821	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	57828	18.608	ug/l	95
22) Diisopropyl ether	6.36	45	149871	18.492	ug/l	96
23) Vinyl Acetate	6.30	43	439644	92.595	ug/l	98
24) 1,1-Dichloroethane	6.26	63	94919	18.925	ug/l	98
25) 2-Butanone	7.21	43	66864	87.916	ug/l	100
26) 2,2-Dichloropropane	7.20	77	87225	19.403	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	60212	18.472	ug/l	98
28) Bromochloromethane	7.54	49	39213	22.260	ug/l	96
29) Tetrahydrofuran	7.56	42	44657	94.771	ug/l	97
30) Chloroform	7.71	83	109232	20.741	ug/l	100
31) Cyclohexane	7.98	56	89091	18.660	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	93907	19.017	ug/l	98
36) 1,1-Dichloropropene	8.10	75	80062	19.119	ug/l	100
37) Ethyl Acetate	7.29	43	30177	18.188	ug/l	99
38) Carbon Tetrachloride	8.09	117	90746	19.432	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	93160	18.403	ug/l	92
40) Benzene	8.34	78	215042	18.511	ug/l	99
41) Methacrylonitrile	7.51	41	11764m	12.059	ug/l	
42) 1,2-Dichloroethane	8.42	62	64919	19.023	ug/l	99
43) Isopropyl Acetate	8.45	43	61929	18.944	ug/l	98
44) Trichloroethene	9.11	130	66793	19.081	ug/l	99
45) 1,2-Dichloropropane	9.38	63	52953	18.638	ug/l	93
46) Dibromomethane	9.47	93	30222	19.311	ug/l	99
47) Bromodichloromethane	9.66	83	79786	19.290	ug/l	96
48) Methyl methacrylate	9.45	41	29553	17.704	ug/l	91
49) 1,4-Dioxane	9.46	88	7271	361.630	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	157451	93.765	ug/l	100
52) Toluene	10.40	92	141316	18.487	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	73059	18.612	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	86306	18.766	ug/l #	92
55) 1,1,2-Trichloroethane	10.80	97	42007	18.641	ug/l	97
56) Ethyl methacrylate	10.66	69	50361	18.603	ug/l	99
57) 1,3-Dichloropropane	10.94	76	69052	18.457	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	131480	107.974	ug/l	100
59) 2-Hexanone	10.98	43	110103	93.427	ug/l	97
60) Dibromochloromethane	11.14	129	59419	19.099	ug/l	100
61) 1,2-Dibromoethane	11.24	107	40687	18.774	ug/l	95
64) Tetrachloroethene	10.87	164	58277	18.714	ug/l	95
65) Chlorobenzene	11.67	112	156517	19.012	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	62012	19.252	ug/l	98
67) Ethyl Benzene	11.74	91	272440	19.097	ug/l	99
68) m/p-Xylenes	11.85	106	210113	38.014	ug/l	96
69) o-Xylene	12.18	106	96846	19.261	ug/l	98
70) Styrene	12.20	104	173536	19.694	ug/l	100
71) Bromoform	12.36	173	36648	19.203	ug/l #	96
73) Isopropylbenzene	12.48	105	267046	18.814	ug/l	99
74) N-amyl acetate	12.28	43	57438	18.377	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	47037	19.435	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	28420m	16.028	ug/l	
77) Bromobenzene	12.76	156	69328	18.974	ug/l	99
78) n-propylbenzene	12.82	91	316916	19.208	ug/l	100
79) 2-Chlorotoluene	12.91	91	179415	19.013	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	225941	19.034	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15199	18.948	ug/l	93
82) 4-Chlorotoluene	13.01	91	189040	18.977	ug/l	98
83) tert-Butylbenzene	13.23	119	194897	18.670	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	227882	19.183	ug/l	98
85) sec-Butylbenzene	13.40	105	268754	19.068	ug/l	100
86) p-Isopropyltoluene	13.52	119	256879	19.432	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	130155	18.954	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	128597	18.778	ug/l	97
89) n-Butylbenzene	13.84	91	226084	19.089	ug/l	99
90) Hexachloroethane	14.11	117	49059	18.608	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	113568	18.700	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7390	17.766	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83514	18.660	ug/l	99
94) Hexachlorobutadiene	15.27	225	50077	19.001	ug/l	98
95) Naphthalene	15.41	128	137719	18.885	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	73678	18.649	ug/l	98

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

