

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066890.D
 Acq On : 26 Sep 2020 00:21
 Operator : VA/SY
 Sample : VD0925SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:45:31 AM

Quant Time: Sep 26 06:55:44 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	381663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	637405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	584532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	278259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184475	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	7.91	113	190130	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
50) Toluene-d8	10.34	98	665085	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.63	95	230100	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	69030	22.770	ug/l	97
3) Chloromethane	2.21	50	74248	21.173	ug/l	96
4) Vinyl Chloride	2.35	62	67327	19.434	ug/l	94
5) Bromomethane	2.76	94	50975	20.934	ug/l	100
6) Chloroethane	2.92	64	41635	19.353	ug/l	99
7) Trichlorofluoromethane	3.27	101	140830	19.794	ug/l	98
8) Diethyl Ether	3.71	74	39418	21.823	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	79862	19.357	ug/l	98
10) Methyl Iodide	4.30	142	72826	20.004	ug/l	97
11) Tert butyl alcohol	5.23	59	33404	123.906	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	78524	21.011	ug/l	98
13) Acrolein	3.93	56	24099	87.451	ug/l	99
14) Allyl chloride	4.71	41	109206	19.899	ug/l	98
15) Acrylonitrile	5.43	53	86379	107.911	ug/l	98
16) Acetone	4.16	43	71505	90.234	ug/l	96
17) Carbon Disulfide	4.41	76	227239	19.888	ug/l	100
18) Methyl Acetate	4.71	43	46207	24.266	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	170755	21.039	ug/l	95
20) Methylene Chloride	4.97	84	120745	25.364	ug/l	96
21) trans-1,2-Dichloroethene	5.48	96	89347	20.647	ug/l	97
22) Diisopropyl ether	6.36	45	234896	20.817	ug/l	96
23) Vinyl Acetate	6.31	43	569864	94.697	ug/l	98
24) 1,1-Dichloroethane	6.26	63	154202	20.428	ug/l	98
25) 2-Butanone	7.21	43	101077	106.140	ug/l	95
26) 2,2-Dichloropropane	7.21	77	123832	17.898	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	99336	21.127	ug/l	100
28) Bromochloromethane	7.54	49	61604	19.754	ug/l	96
29) Tetrahydrofuran	7.56	42	65639	107.572	ug/l	98
30) Chloroform	7.71	83	165295	20.314	ug/l	99
31) Cyclohexane	7.98	56	128453	18.912	ug/l #	96
32) 1,1,1-Trichloroethane	7.90	97	145369	19.749	ug/l	99
36) 1,1-Dichloropropene	8.11	75	120002	18.977	ug/l	99
37) Ethyl Acetate	7.29	43	48229	21.097	ug/l #	95
38) Carbon Tetrachloride	8.10	117	131336	18.997	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	131095	18.056	ug/l	99
40) Benzene	8.34	78	343949	19.516	ug/l	99
41) Methacrylonitrile	7.53	41	25929m	18.444	ug/l	
42) 1,2-Dichloroethane	8.42	62	100640	19.317	ug/l	99
43) Isopropyl Acetate	8.45	43	87208	19.787	ug/l	98
44) Trichloroethene	9.11	130	99132	19.734	ug/l	100
45) 1,2-Dichloropropane	9.38	63	87950	19.835	ug/l	97
46) Dibromomethane	9.48	93	49537	20.562	ug/l	97
47) Bromodichloromethane	9.66	83	128252	19.817	ug/l #	94
48) Methyl methacrylate	9.45	41	40699	18.729	ug/l	94
49) 1,4-Dioxane	9.46	88	12663	401.368	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	232757	104.225	ug/l	100
52) Toluene	10.40	92	233793	20.595	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	109921	19.955	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	131887	19.636	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	66628	20.118	ug/l	97
56) Ethyl methacrylate	10.66	69	72716	20.495	ug/l	98
57) 1,3-Dichloropropane	10.94	76	113786	20.806	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	202913	120.785	ug/l	100
59) 2-Hexanone	10.98	43	152916	101.536	ug/l	96
60) Dibromochloromethane	11.14	129	89926	20.804	ug/l	99
61) 1,2-Dibromoethane	11.24	107	64725	21.011	ug/l	96
64) Tetrachloroethene	10.87	164	88666	21.088	ug/l	97
65) Chlorobenzene	11.67	112	242505	19.931	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	94092	20.432	ug/l	99
67) Ethyl Benzene	11.74	91	410149	19.193	ug/l	100
68) m/p-Xylenes	11.85	106	324904	40.157	ug/l	100
69) o-Xylene	12.18	106	143882	19.667	ug/l	100
70) Styrene	12.20	104	257899	20.299	ug/l	99
71) Bromoform	12.36	173	49972	21.432	ug/l #	97
73) Isopropylbenzene	12.48	105	389365	19.370	ug/l	97
74) N-amyl acetate	12.28	43	76708	19.541	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.73	83	70652	20.369	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	44888m	19.466	ug/l	
77) Bromobenzene	12.76	156	96882	20.608	ug/l	97
78) n-propylbenzene	12.82	91	476496	19.704	ug/l	99
79) 2-Chlorotoluene	12.91	91	268954	19.517	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	337253	19.773	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20570	22.318	ug/l	95
82) 4-Chlorotoluene	13.01	91	292398	20.128	ug/l	98
83) tert-Butylbenzene	13.23	119	276067	19.697	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	340837	20.152	ug/l	99
85) sec-Butylbenzene	13.40	105	397603	19.728	ug/l	99
86) p-Isopropyltoluene	13.52	119	358555	19.737	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	183238	19.728	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	181352	19.659	ug/l	97
89) n-Butylbenzene	13.84	91	311471	18.038	ug/l	100
90) Hexachloroethane	14.11	117	69494	18.842	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	159438	20.064	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11688	20.947	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96284	19.248	ug/l	96
94) Hexachlorobutadiene	15.27	225	55410	18.485	ug/l	95
95) Naphthalene	15.40	128	169391	19.945	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	86050	19.930	ug/l	99

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

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