

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066296.D
 Acq On : 19 Aug 2020 01:46
 Operator : VA/SY
 Sample : VD0818SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:34 PM

Quant Time: Aug 19 08:20:25 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	7.98	168	225888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	340029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	316435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	165502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	125568	62.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.62%	
35) Dibromofluoromethane	7.91	113	123088	57.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.28%	
50) Toluene-d8	10.34	98	437337	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	
62) 4-Bromofluorobenzene	12.63	95	158582	55.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	40567	20.384	ug/l	90
3) Chloromethane	2.21	50	30173	19.490	ug/l	99
4) Vinyl Chloride	2.35	62	29101	21.232	ug/l	99
5) Bromomethane	2.76	94	20815	22.890	ug/l	93
6) Chloroethane	2.91	64	18660	22.179	ug/l	99
7) Trichlorofluoromethane	3.26	101	73652	20.612	ug/l	97
8) Diethyl Ether	3.71	74	20902	20.731	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	41208	19.432	ug/l	98
10) Methyl Iodide	4.30	142	40003	24.650	ug/l	95
11) Tert butyl alcohol	5.23	59	22027	127.809	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	38799	19.395	ug/l	90
13) Acrolein	3.92	56	8480	52.864	ug/l	98
14) Allyl chloride	4.70	41	56917	18.780	ug/l	95
15) Acrylonitrile	5.42	53	45459	106.996	ug/l	98
16) Acetone	4.16	43	36573	95.645	ug/l #	87
17) Carbon Disulfide	4.40	76	113205	17.798	ug/l	100
18) Methyl Acetate	4.72	43	21156	21.782	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	99926	21.793	ug/l	96
20) Methylene Chloride	4.96	84	64746	27.373	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	46183	20.096	ug/l	92
22) Diisopropyl ether	6.36	45	119474	19.935	ug/l	92
23) Vinyl Acetate	6.30	43	345751	98.474	ug/l	99
24) 1,1-Dichloroethane	6.26	63	77490	20.892	ug/l	97
25) 2-Butanone	7.21	43	54349	96.636	ug/l	90
26) 2,2-Dichloropropane	7.20	77	63790	19.189	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	50744	21.052	ug/l	98
28) Bromochloromethane	7.54	49	27840	21.371	ug/l	95
29) Tetrahydrofuran	7.56	42	34724	99.653	ug/l	96
30) Chloroform	7.71	83	85431	21.936	ug/l	95
31) Cyclohexane	7.97	56	61156	17.322	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	79361	21.733	ug/l	99
36) 1,1-Dichloropropene	8.11	75	63636	19.916	ug/l	98
37) Ethyl Acetate	7.28	43	26795	21.165	ug/l	97
38) Carbon Tetrachloride	8.08	117	72555	20.362	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	66326	17.172	ug/l	97
40) Benzene	8.34	78	174081	19.639	ug/l	98
41) Methacrylonitrile	7.52	41	12809	17.208	ug/l #	86
42) 1,2-Dichloroethane	8.42	62	56457	21.681	ug/l	99
43) Isopropyl Acetate	8.44	43	49258	19.748	ug/l	96
44) Trichloroethene	9.10	130	53701	20.105	ug/l	91
45) 1,2-Dichloropropane	9.38	63	42973	19.823	ug/l	89
46) Dibromomethane	9.47	93	24271	20.326	ug/l	95
47) Bromodichloromethane	9.66	83	67471	21.378	ug/l	95
48) Methyl methacrylate	9.46	41	23876	18.746	ug/l #	81
49) 1,4-Dioxane	9.46	88	6480	422.387	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	129262	100.886	ug/l	99
52) Toluene	10.40	92	118729	20.356	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	61044	20.381	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	68953	19.649	ug/l #	91
55) 1,1,2-Trichloroethane	10.80	97	35024	20.369	ug/l	97
56) Ethyl methacrylate	10.66	69	40141	19.433	ug/l #	91
57) 1,3-Dichloropropane	10.94	76	59711	20.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	104128	112.071	ug/l	96
59) 2-Hexanone	10.98	43	88022	97.888	ug/l	98
60) Dibromochloromethane	11.14	129	49588	20.889	ug/l	96
61) 1,2-Dibromoethane	11.24	107	35323	21.361	ug/l	99
64) Tetrachloroethene	10.87	164	47952	19.734	ug/l	92
65) Chlorobenzene	11.67	112	130066	20.248	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	52162	20.753	ug/l	96
67) Ethyl Benzene	11.74	91	222448	19.983	ug/l	100
68) m/p-Xylenes	11.85	106	174096	40.366	ug/l	98
69) o-Xylene	12.18	106	77456	19.743	ug/l	93
70) Styrene	12.19	104	142758	20.763	ug/l	99
71) Bromoform	12.36	173	31360	21.059	ug/l #	97
73) Isopropylbenzene	12.48	105	214127	19.382	ug/l	98
74) N-amyl acetate	12.29	43	47985	19.724	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	37991	20.167	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	30089m	21.801	ug/l	
77) Bromobenzene	12.76	156	56503	19.868	ug/l	99
78) n-propylbenzene	12.82	91	250533	19.509	ug/l	100
79) 2-Chlorotoluene	12.91	91	147016	20.016	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	187103	20.251	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	12037	19.279	ug/l	95
82) 4-Chlorotoluene	13.01	91	155655	20.075	ug/l	99
83) tert-Butylbenzene	13.23	119	161000	19.815	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	188264	20.361	ug/l	97
85) sec-Butylbenzene	13.40	105	214117	19.518	ug/l	100
86) p-Isopropyltoluene	13.52	119	201281	19.563	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	108129	20.230	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	107506	20.168	ug/l	99
89) n-Butylbenzene	13.85	91	173617	18.833	ug/l	99
90) Hexachloroethane	14.11	117	41626	20.285	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	95195	20.139	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7204	22.250	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	65724	18.867	ug/l	99
94) Hexachlorobutadiene	15.27	225	40012	19.506	ug/l	95
95) Naphthalene	15.41	128	111512	19.646	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	58619	19.062	ug/l	98

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

