

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064342.D
 Acq On : 22 Nov 2019 12:41
 Operator : VA/SY
 Sample : VD1122SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 1:34:46 AM

Quant Time: Nov 23 01:06:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	502591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	709402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	200146	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	7.92	113	206935	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.34	98	761874	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.64	95	254250	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79127	18.983	ug/l	99
3) Chloromethane	2.21	50	96050	21.483	ug/l	97
4) Vinyl Chloride	2.35	62	121358	25.382	ug/l	99
5) Bromomethane	2.76	94	86339	28.597	ug/l	96
6) Chloroethane	2.91	64	81647	26.725	ug/l	92
7) Trichlorofluoromethane	3.27	101	210915	27.209	ug/l	99
8) Diethyl Ether	3.70	74	45021	21.122	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	97152	21.927	ug/l	98
10) Methyl Iodide	4.29	142	90927	19.279	ug/l	98
11) Tert butyl alcohol	5.26	59	37254m	129.037	ug/l	
12) 1,1-Dichloroethene	4.06	96	88677	20.998	ug/l	96
13) Acrolein	3.92	56	18119	74.185	ug/l	92
14) Allyl chloride	4.71	41	140936	18.875	ug/l	94
15) Acrylonitrile	5.43	53	100797	110.929	ug/l	99
16) Acetone	4.17	43	85331	87.141	ug/l	96
17) Carbon Disulfide	4.40	76	251116	19.094	ug/l	99
18) Methyl Acetate	4.73	43	57450	21.005	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	206845	20.517	ug/l	97
20) Methylene Chloride	4.96	84	100209	20.259	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	97323	20.340	ug/l	94
22) Diisopropyl ether	6.37	45	274257	19.796	ug/l	97
23) Vinyl Acetate	6.31	43	806806	104.472	ug/l	99
24) 1,1-Dichloroethane	6.27	63	167145	20.778	ug/l	98
25) 2-Butanone	7.23	43	129802	102.601	ug/l	99
26) 2,2-Dichloropropane	7.21	77	153398	19.445	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	111255	21.683	ug/l	93
28) Bromochloromethane	7.55	49	47543	16.976	ug/l	98
29) Tetrahydrofuran	7.58	42	83414	109.740	ug/l	97
30) Chloroform	7.71	83	183674	22.322	ug/l	97
31) Cyclohexane	7.98	56	156263	19.261	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	164843	20.922	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135165	20.645	ug/l	99
37) Ethyl Acetate	7.30	43	60780	22.021	ug/l	97
38) Carbon Tetrachloride	8.10	117	149007	21.270	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	169330	20.439	ug/l	96
40) Benzene	8.35	78	375108	20.963	ug/l	98
41) Methacrylonitrile	7.53	41	37660	21.709	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	110085	20.484	ug/l	98
43) Isopropyl Acetate	8.46	43	120496	21.188	ug/l	100
44) Trichloroethene	9.11	130	116362	21.667	ug/l	99
45) 1,2-Dichloropropane	9.39	63	91334	20.971	ug/l	97
46) Dibromomethane	9.48	93	49867	21.387	ug/l	95
47) Bromodichloromethane	9.67	83	131003	20.859	ug/l	99
48) Methyl methacrylate	9.46	41	55138	19.828	ug/l	94
49) 1,4-Dioxane	9.47	88	13118	468.458	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	293413	107.589	ug/l	99
52) Toluene	10.41	92	248433	21.114	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	127588	20.278	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	149719	20.391	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	71292	22.539	ug/l	97
56) Ethyl methacrylate	10.67	69	92204	20.839	ug/l	96
57) 1,3-Dichloropropane	10.95	76	122874	22.275	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	188164	104.985	ug/l	97
59) 2-Hexanone	10.99	43	198162	102.134	ug/l	98
60) Dibromochloromethane	11.14	129	95715	21.687	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69928	22.073	ug/l	100
64) Tetrachloroethene	10.88	164	99911	20.807	ug/l	97
65) Chlorobenzene	11.67	112	265101	20.880	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	101381	21.000	ug/l	99
67) Ethyl Benzene	11.75	91	471804	20.544	ug/l	99
68) m/p-Xylenes	11.86	106	361250	41.038	ug/l	98
69) o-Xylene	12.18	106	168919	20.691	ug/l	98
70) Styrene	12.20	104	291026	20.422	ug/l	98
71) Bromoform	12.37	173	58555	21.312	ug/l #	100
73) Isopropylbenzene	12.48	105	461303	20.610	ug/l	99
74) N-amyl acetate	12.30	43	105263	19.915	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	79244	23.496	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	52018m	21.178	ug/l	
77) Bromobenzene	12.77	156	117408	21.592	ug/l	96
78) n-propylbenzene	12.83	91	535360	20.935	ug/l	100
79) 2-Chlorotoluene	12.91	91	290207	20.101	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	376488	20.471	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24111	19.499	ug/l	98
82) 4-Chlorotoluene	13.01	91	303627	20.163	ug/l	100
83) tert-Butylbenzene	13.23	119	330945	20.407	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	381754	21.025	ug/l	97
85) sec-Butylbenzene	13.41	105	449635	20.643	ug/l	100
86) p-Isopropyltoluene	13.53	119	416651	20.121	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	213857	21.187	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	209981	21.315	ug/l	98
89) n-Butylbenzene	13.85	91	384497	20.553	ug/l	100
90) Hexachloroethane	14.13	117	77747	20.316	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	184795	21.630	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12808	21.240	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	138981	21.088	ug/l	100
94) Hexachlorobutadiene	15.28	225	89160	20.945	ug/l	99
95) Naphthalene	15.41	128	237851	22.016	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	123139	21.981	ug/l	99

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

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