

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013019\
 Data File : VD060801.D
 Acq On : 30 Jan 2019 13:06
 Operator : VA/AP
 Sample : VD0130SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 3:55:37 PM

Quant Time: Jan 31 06:36:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.82	168	524752	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.99	114	763444	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.17	117	593172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.33	152	302470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.23	65	417683	51.92	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	6.70	113	378073	51.64	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.21	98	854041	49.95	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	13.37	95	391693	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	123360	19.335	ug/l	100
3) Chloromethane	1.77	50	74315	19.455	ug/l	92
4) Vinyl Chloride	1.86	62	80469	19.846	ug/l #	87
5) Bromomethane	2.15	94	22354	17.453	ug/l	90
6) Chloroethane	2.25	64	29966	18.418	ug/l #	85
7) Trichlorofluoromethane	2.50	101	163203	20.447	ug/l	100
8) Diethyl Ether	2.81	74	21554	18.326	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.08	101	91516	22.625	ug/l	89
10) Methyl Iodide	3.23	142	81970	19.356	ug/l #	98
11) Tert butyl alcohol	3.95	59	30977	80.573	ug/l #	89
12) 1,1-Dichloroethene	3.06	96	65938	23.855	ug/l	97
13) Acrolein	2.98	56	18894	130.177	ug/l	87
14) Allyl chloride	3.51	41	126281	19.631	ug/l #	93
15) Acrylonitrile	4.07	53	90547	105.113	ug/l	92
16) Acetone	3.15	43	123593	106.367	ug/l	98
17) Carbon Disulfide	3.30	76	209113	21.357	ug/l	96
18) Methyl Acetate	3.53	43	42350	18.385	ug/l	100
19) Methyl tert-butyl Ether	4.09	73	254443	20.163	ug/l	94
20) Methylene Chloride	3.70	84	103747	17.248	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	107359	22.032	ug/l	98
22) Diisopropyl ether	4.91	45	326042	19.669	ug/l	96
23) Vinyl Acetate	4.86	43	974463	102.083	ug/l	99
24) 1,1-Dichloroethane	4.79	63	219213	20.201	ug/l	99
25) 2-Butanone	5.87	43	142864	96.060	ug/l	95
26) 2,2-Dichloropropane	5.81	77	240128	21.001	ug/l	95
27) cis-1,2-Dichloroethene	5.83	96	111024	20.005	ug/l	86
28) Bromochloromethane	6.22	49	87244	20.609	ug/l	93
29) Tetrahydrofuran	6.25	42	70126	98.188	ug/l	98
30) Chloroform	6.44	83	253166	19.739	ug/l	95
31) Cyclohexane	6.73	56	164408	22.268	ug/l	95
32) 1,1,1-Trichloroethane	6.65	97	260841	21.118	ug/l	98
36) 1,1-Dichloropropene	6.92	75	171565	18.822	ug/l	96
37) Ethyl Acetate	5.96	43	72519	17.822	ug/l #	94
38) Carbon Tetrachloride	6.89	117	225292	19.710	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.65	83	153815	20.150	ug/l	98
40) Benzene	7.23	78	346077	19.237	ug/l	97
41) Methacrylonitrile	6.22	41	28793m	11.142	ug/l	
42) 1,2-Dichloroethane	7.36	62	201538	19.283	ug/l	99
43) Isopropyl Acetate	9.03	43	97438	18.360	ug/l #	91
44) Trichloroethene	8.32	130	120952	19.832	ug/l	98
45) 1,2-Dichloropropane	8.72	63	93046	19.106	ug/l	99
46) Dibromomethane	8.85	93	76078	20.123	ug/l	94
47) Bromodichloromethane	9.16	83	197928	19.396	ug/l	97
48) Methyl methacrylate	8.90	41	66970	18.299	ug/l	93
49) 1,4-Dioxane	8.87	88	10927	365.924	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	308292	89.703	ug/l	99
52) Toluene	10.30	92	230673	20.213	ug/l	100
53) t-1,3-Dichloropropene	10.71	75	175028	19.499	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	191462	20.800	ug/l	96
55) 1,1,2-Trichloroethane	10.99	97	73160	18.803	ug/l	97
56) Ethyl methacrylate	10.84	69	92637	19.654	ug/l	96
57) 1,3-Dichloropropane	11.20	76	131223	19.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.65	63	249336	100.822	ug/l	98
59) 2-Hexanone	11.33	43	234973	90.928	ug/l	96
60) Dibromochloromethane	11.49	129	128062	18.308	ug/l	99
61) 1,2-Dibromoethane	11.61	107	89384	19.507	ug/l	95
64) Tetrachloroethene	11.05	164	112743	20.710	ug/l	95
65) Chlorobenzene	12.21	112	274042	20.217	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.31	131	125577	21.563	ug/l	99
67) Ethyl Benzene	12.32	91	548229	22.491	ug/l	100
68) m/p-Xylenes	12.47	106	336196	42.394	ug/l	92
69) o-Xylene	12.86	106	172041	21.919	ug/l	90
70) Styrene	12.88	104	284392	21.607	ug/l	98
71) Bromoform	13.04	173	82821	18.875	ug/l	94
73) Isopropylbenzene	13.21	105	510923	21.186	ug/l	98
74) N-amyl acetate	13.07	43	145472	19.622	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.51	83	83857	19.097	ug/l	95
76) 1,2,3-Trichloropropane	13.55	75	110789	19.974	ug/l	93
77) Bromobenzene	13.48	156	124723	20.119	ug/l	91
78) n-propylbenzene	13.58	91	642367	21.218	ug/l	99
79) 2-Chlorotoluene	13.65	91	405890	21.981	ug/l	100
80) 1,3,5-Trimethylbenzene	14.05	105	446696	21.516	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.28	75	27206	18.814	ug/l	92
82) 4-Chlorotoluene	13.75	91	458300	22.331	ug/l	89
83) tert-Butylbenzene	14.00	119	489765	22.548	ug/l	96
84) 1,2,4-Trimethylbenzene	14.05	105	446696	21.516	ug/l	99
85) sec-Butylbenzene	14.18	105	509197	20.594	ug/l	100
86) p-Isopropyltoluene	14.30	119	430304	21.436	ug/l	99
87) 1,3-Dichlorobenzene	14.26	146	226541	20.431	ug/l	98
88) 1,4-Dichlorobenzene	14.35	146	215564	20.009	ug/l	98
89) n-Butylbenzene	14.61	91	455859	21.765	ug/l	99
90) Hexachloroethane	14.82	117	117167	19.614	ug/l	69
91) 1,2-Dichlorobenzene	14.62	146	188805	20.514	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.19	75	21987	21.076	ug/l	58

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.76	180	160571	20.149	ug/l	99
94) Hexachlorobutadiene	15.85	225	123024	20.575	ug/l	97
95) Naphthalene	15.94	128	232943	19.025	ug/l	98
96) 1,2,3-Trichlorobenzene	16.08	180	139906	20.190	ug/l	98

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

