

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063149.D
 Acq On : 19 Jul 2019 13:07
 Operator : VA/AP
 Sample : VD0719SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0719SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 10:42:57 AM

Quant Time: Jul 20 05:19:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	756438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1015609	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	852066	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	492305	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	431840	45.83	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.66%	
35) Dibromofluoromethane	6.93	113	482043	47.65	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	10.41	98	1023940	47.12	ug/l	0.01
Spiked Amount	50.000		Recovery	=	94.24%	
62) 4-Bromofluorobenzene	13.55	95	453742	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	193483	22.343	ug/l	95
3) Chloromethane	1.75	50	154977	20.641	ug/l	90
4) Vinyl Chloride	1.84	62	160544	19.886	ug/l	96
5) Bromomethane	2.14	94	57917	16.628	ug/l #	92
6) Chloroethane	2.25	64	64496	17.198	ug/l #	80
7) Trichlorofluoromethane	2.52	101	298034	18.236	ug/l	96
8) Diethyl Ether	2.87	74	46765	20.342	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	184526	19.581	ug/l	91
10) Methyl Iodide	3.30	142	215074	18.590	ug/l	95
11) Tert butyl alcohol	4.09	59	50879	93.561	ug/l	98
12) 1,1-Dichloroethene	3.12	96	129010	19.278	ug/l	98
13) Acrolein	3.03	56	18154m	110.608	ug/l	
14) Allyl chloride	3.61	41	210063	19.973	ug/l #	90
15) Acrylonitrile	4.19	53	119934	99.771	ug/l	96
16) Acetone	3.23	43	203685	89.496	ug/l	100
17) Carbon Disulfide	3.36	76	362996	18.951	ug/l	100
18) Methyl Acetate	3.64	43	102423	31.834	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	330768	19.581	ug/l	99
20) Methylene Chloride	3.81	84	159772	18.582	ug/l	89
21) trans-1,2-Dichloroethene	4.21	96	139382	18.762	ug/l	94
22) Diisopropyl ether	5.13	45	443664	19.402	ug/l #	95
23) Vinyl Acetate	5.06	43	1241987	93.097	ug/l	97
24) 1,1-Dichloroethane	4.98	63	272054	19.314	ug/l	97
25) 2-Butanone	6.08	43	211502	97.318	ug/l	100
26) 2,2-Dichloropropane	6.02	77	302973	19.435	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	171484	20.292	ug/l	99
28) Bromochloromethane	6.44	49	108250	21.183	ug/l	97
29) Tetrahydrofuran	6.47	42	97428	98.894	ug/l	95
30) Chloroform	6.66	83	351243	20.248	ug/l	90
31) Cyclohexane	6.95	56	164782	18.370	ug/l	95
32) 1,1,1-Trichloroethane	6.87	97	318962	18.646	ug/l	95
36) 1,1-Dichloropropene	7.14	75	216505	18.954	ug/l #	87
37) Ethyl Acetate	6.19	43	100402	20.539	ug/l #	90
38) Carbon Tetrachloride	7.12	117	312197	17.987	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	178482	18.074	ug/l	95
40) Benzene	7.46	78	460840	19.263	ug/l	96
41) Methacrylonitrile	6.47	41	133029	20.072	ug/l #	84
42) 1,2-Dichloroethane	7.58	62	237870	18.663	ug/l	96
43) Isopropyl Acetate	9.24	43	132479	18.907	ug/l #	98
44) Trichloroethene	8.54	130	180310	19.503	ug/l	99
45) 1,2-Dichloropropane	8.94	63	121619	20.390	ug/l	92
46) Dibromomethane	9.06	93	102917	20.079	ug/l	93
47) Bromodichloromethane	9.38	83	255287	19.087	ug/l	95
48) Methyl methacrylate	9.12	41	91848	19.961	ug/l	97
49) 1,4-Dioxane	9.09	88	15831	398.931	ug/l #	76
51) 4-Methyl-2-Pentanone	10.30	43	483776	104.097	ug/l	98
52) Toluene	10.51	92	297882	18.647	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	219396	19.146	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	227549	19.205	ug/l	92
55) 1,1,2-Trichloroethane	11.19	97	112415	20.362	ug/l	97
56) Ethyl methacrylate	11.04	69	115748	18.765	ug/l	97
57) 1,3-Dichloropropane	11.41	76	166323	19.799	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	332622	96.846	ug/l	97
59) 2-Hexanone	11.54	43	355797	99.271	ug/l	94
60) Dibromochloromethane	11.69	129	205757	19.443	ug/l	95
61) 1,2-Dibromoethane	11.81	107	134520	20.356	ug/l	97
64) Tetrachloroethene	11.26	164	161419	19.524	ug/l	96
65) Chlorobenzene	12.40	112	393148	19.628	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.52	131	166112	17.888	ug/l	96
67) Ethyl Benzene	12.53	91	638928	18.359	ug/l	99
68) m/p-Xylenes	12.67	106	466904	37.457	ug/l	90
69) o-Xylene	13.05	106	222739	18.845	ug/l	99
70) Styrene	13.07	104	380301	18.382	ug/l	94
71) Bromoform	13.24	173	127308	19.582	ug/l	91
73) Isopropylbenzene	13.41	105	705347	18.552	ug/l	96
74) N-amyl acetate	13.27	43	195610	18.448	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	120025	17.351	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	139451	18.414	ug/l	99
77) Bromobenzene	13.67	156	193744	17.970	ug/l	95
78) n-propylbenzene	13.78	91	820924	18.763	ug/l	95
79) 2-Chlorotoluene	13.84	91	488558	18.469	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	550123	16.602	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	32917	16.506	ug/l	93
82) 4-Chlorotoluene	13.95	91	530229	17.165	ug/l	93
83) tert-Butylbenzene	14.19	119	679945	18.148	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	621079	18.801	ug/l	96
85) sec-Butylbenzene	14.37	105	649872	16.325	ug/l	97
86) p-Isopropyltoluene	14.49	119	672999	18.123	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	353004	18.334	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	366386	19.849	ug/l	95
89) n-Butylbenzene	14.80	91	587792	17.173	ug/l	97
90) Hexachloroethane	15.01	117	176511	17.780	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	299646	17.477	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	24589	18.545	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	231300	17.957	ug/l	97
94) Hexachlorobutadiene	16.03	225	163714	17.243	ug/l	97
95) Naphthalene	16.12	128	349007	18.523	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	168120	16.225	ug/l	99

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

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