

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061354.D
 Acq On : 27 Mar 2019 15:13
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD032719

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 2:00:39 PM

Quant Time: Mar 28 09:27:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	837841	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1429137	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.35	117	1121269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	522285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	361048	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	6.91	113	550866	50.44	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.40	98	1386762	52.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.88%	
62) 4-Bromofluorobenzene	13.54	95	512888	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	436299	48.761	ug/l	99
3) Chloromethane	1.77	50	372249	51.011	ug/l	99
4) Vinyl Chloride	1.86	62	309045	46.124	ug/l	98
5) Bromomethane	2.16	94	79424	59.778	ug/l	97
6) Chloroethane	2.28	64	108664	55.303	ug/l	94
7) Trichlorofluoromethane	2.54	101	472021	48.446	ug/l	100
8) Diethyl Ether	2.88	74	164959	52.585	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	519289	49.576	ug/l	96
10) Methyl Iodide	3.31	142	718689	45.470	ug/l	99
11) Tert butyl alcohol	4.05	59	120803	271.025	ug/l	99
12) 1,1-Dichloroethene	3.13	96	453586	50.437	ug/l	98
13) Acrolein	3.04	56	77957	227.489	ug/l	95
14) Allyl chloride	3.63	41	617047	49.193	ug/l	100
15) Acrylonitrile	4.19	53	388956	251.421	ug/l	97
16) Acetone	3.21	43	520576	282.942	ug/l	97
17) Carbon Disulfide	3.38	76	1425653	48.792	ug/l	99
18) Methyl Acetate	3.64	43	179393	46.374	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	788465	50.650	ug/l	99
20) Methylene Chloride	3.81	84	511542	49.616	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	470703	48.480	ug/l	99
22) Diisopropyl ether	5.11	45	1309944	49.351	ug/l	99
23) Vinyl Acetate	5.05	43	3545097	245.875	ug/l	100
24) 1,1-Dichloroethane	4.98	63	795076	50.969	ug/l	97
25) 2-Butanone	6.06	43	575902	248.835	ug/l	98
26) 2,2-Dichloropropane	6.02	77	629498	50.764	ug/l	100
27) cis-1,2-Dichloroethene	6.03	96	526790	49.521	ug/l	100
28) Bromochloromethane	6.43	49	321880	51.117	ug/l #	98
29) Tetrahydrofuran	6.44	42	292633	260.866	ug/l	100
30) Chloroform	6.66	83	792397	49.161	ug/l	100
31) Cyclohexane	6.94	56	628700	51.001	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	709648	49.905	ug/l	96
36) 1,1-Dichloropropene	7.13	75	625981	50.186	ug/l	98
37) Ethyl Acetate	6.17	43	280665	52.614	ug/l	99
38) Carbon Tetrachloride	7.10	117	702239m	48.995	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	679179	52.282	ug/l	97
40) Benzene	7.45	78	1545802	49.380	ug/l	97
41) Methacrylonitrile	6.43	41	317582	50.917	ug/l #	97
42) 1,2-Dichloroethane	7.56	62	476123	50.847	ug/l	98
43) Isopropyl Acetate	9.22	43	411782	53.054	ug/l #	99
44) Trichloroethene	8.53	130	578865	49.689	ug/l	93
45) 1,2-Dichloropropane	8.92	63	399784	50.364	ug/l	99
46) Dibromomethane	9.05	93	275650	51.593	ug/l	99
47) Bromodichloromethane	9.37	83	580080	48.374	ug/l	98
48) Methyl methacrylate	9.11	41	223096	52.083	ug/l	97
49) 1,4-Dioxane	9.06	88	49988	1058.022	ug/l	93
51) 4-Methyl-2-Pentanone	10.28	43	1119638	237.108	ug/l	97
52) Toluene	10.50	92	983328	51.489	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	543249	49.862	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	675400	50.911	ug/l	96
55) 1,1,2-Trichloroethane	11.17	97	332061	49.718	ug/l	97
56) Ethyl methacrylate	11.03	69	370788	51.678	ug/l	97
57) 1,3-Dichloropropane	11.39	76	488796	49.792	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	870561	249.146	ug/l	99
59) 2-Hexanone	11.51	43	912656	266.759	ug/l	97
60) Dibromochloromethane	11.67	129	513460	49.868	ug/l	99
61) 1,2-Dibromoethane	11.79	107	385643	49.864	ug/l	99
64) Tetrachloroethene	11.24	164	425042	48.300	ug/l	97
65) Chlorobenzene	12.39	112	1157297	50.504	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	463610	52.253	ug/l	98
67) Ethyl Benzene	12.51	91	1787647	51.110	ug/l	97
68) m/p-Xylenes	12.65	106	1254251	94.665	ug/l	96
69) o-Xylene	13.04	106	641061	49.859	ug/l	100
70) Styrene	13.06	104	1045701	46.656	ug/l	96
71) Bromoform	13.22	173	283651	50.433	ug/l	99
73) Isopropylbenzene	13.39	105	1748756	48.108	ug/l	99
74) N-amyl acetate	13.25	43	499346	49.312	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.69	83	346580	45.197	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	364174	48.270	ug/l	100
77) Bromobenzene	13.66	156	493471	45.792	ug/l	90
78) n-propylbenzene	13.77	91	1981759	44.549	ug/l	100
79) 2-Chlorotoluene	13.83	91	1104750	45.738	ug/l	96
80) 1,3,5-Trimethylbenzene	13.92	105	1309487	46.429	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	113470	49.328	ug/l	98
82) 4-Chlorotoluene	13.93	91	1235871	47.057	ug/l	91
83) tert-Butylbenzene	14.18	119	1576088	44.715	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	1234655	40.435	ug/l	99
85) sec-Butylbenzene	14.36	105	1734559	46.324	ug/l	98
86) p-Isopropyltoluene	14.48	119	1485094	46.903	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	799004	43.784	ug/l	97
88) 1,4-Dichlorobenzene	14.52	146	837539	47.063	ug/l	96
89) n-Butylbenzene	14.79	91	1377155	47.388	ug/l	98
90) Hexachloroethane	15.00	117	395064	44.165	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	694143	46.374	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	46021	51.171	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	270500	39.671	ug/l	98
94) Hexachlorobutadiene	16.03	225	234520	44.014	ug/l	96
95) Naphthalene	16.11	128	417904	40.208	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	106335	35.439	ug/l	96

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

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