

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062182.D
 Acq On : 8 May 2019 18:59
 Operator : FY/SY
 Sample : K2717-10MS
 Misc : 5.48/5mL/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS002-1218-01MS

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 11:21:18 AM

Quant Time: May 09 02:13:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.01	168	428109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	582924	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	455140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	158193	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	245062	61.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.20%	
35) Dibromofluoromethane	6.89	113	301869	62.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.82%	
50) Toluene-d8	10.39	98	617517	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
62) 4-Bromofluorobenzene	13.55	95	183415	39.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	236342	57.722	ug/l	98
3) Chloromethane	1.73	50	163133	55.139	ug/l	98
4) Vinyl Chloride	1.84	62	170824	58.750	ug/l	97
5) Bromomethane	2.13	94	68345	100.315	ug/l	93
6) Chloroethane	2.25	64	85749	70.281	ug/l	97
7) Trichlorofluoromethane	2.51	101	354270	62.671	ug/l	97
8) Diethyl Ether	2.85	74	68112	62.476	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.12	101	207707	48.573	ug/l	93
10) Methyl Iodide	3.28	142	300679	46.524	ug/l	89
11) Tert butyl alcohol	4.02	59	60442	297.628	ug/l	98
12) 1,1-Dichloroethene	3.10	96	183237	56.134	ug/l	87
13) Acrolein	3.01	56	13094	62.339	ug/l	100
14) Allyl chloride	3.60	41	276315	58.218	ug/l	88
15) Acrylonitrile	4.16	53	154539	289.516	ug/l	89
16) Acetone	3.19	43	191059	228.998	ug/l #	90
17) Carbon Disulfide	3.35	76	484144	51.558	ug/l	98
18) Methyl Acetate	3.61	43	381649	257.022	ug/l	95
19) Methyl tert-butyl Ether	4.21	73	438166	62.624	ug/l	99
20) Methylene Chloride	3.78	84	278124	79.837	ug/l	98
21) trans-1,2-Dichloroethene	4.19	96	207054	57.002	ug/l	92
22) Diisopropyl ether	5.08	45	648905	64.249	ug/l #	88
23) Vinyl Acetate	5.08	43	295090	55.377	ug/l #	77
24) 1,1-Dichloroethane	4.94	63	364017	59.745	ug/l	99
25) 2-Butanone	6.03	43	251268	276.103	ug/l	95
26) 2,2-Dichloropropane	5.99	77	352421	58.067	ug/l	95
27) cis-1,2-Dichloroethene	6.01	96	234369	57.644	ug/l	97
28) Bromochloromethane	6.40	49	157888	65.865	ug/l	83
29) Tetrahydrofuran	6.42	42	125221	298.633	ug/l	95
30) Chloroform	6.64	83	474292	64.591	ug/l	99
31) Cyclohexane	6.92	56	180283	43.189	ug/l	97
32) 1,1,1-Trichloroethane	6.83	97	434750	62.640	ug/l	99
36) 1,1-Dichloropropene	7.12	75	264827	55.410	ug/l	96
37) Ethyl Acetate	6.15	43	45540	22.468	ug/l #	92
38) Carbon Tetrachloride	7.08	117	410406m	62.040	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	133250	29.099	ug/l	97
40) Benzene	7.42	78	603444	55.913	ug/l	97
41) Methacrylonitrile	6.41	41	155475	62.769	ug/l #	89
42) 1,2-Dichloroethane	7.54	62	329546	72.070	ug/l	95
43) Isopropyl Acetate	9.22	43	46710	16.249	ug/l	95
44) Trichloroethene	8.52	130	219677	53.416	ug/l	88
45) 1,2-Dichloropropane	8.91	63	156435	58.600	ug/l	95
46) Dibromomethane	9.04	93	136097	62.693	ug/l #	84
47) Bromodichloromethane	9.35	83	353653	66.602	ug/l	98
48) Methyl methacrylate	9.10	41	130119	73.488	ug/l	88
49) 1,4-Dioxane	9.06	88	21959	1149.434	ug/l	94
51) 4-Methyl-2-Pentanone	10.28	43	523240	283.168	ug/l	97
52) Toluene	10.49	92	395962	56.388	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	270782	59.003	ug/l	96
54) cis-1,3-Dichloropropene	10.01	75	295643	59.051	ug/l	91
55) 1,1,2-Trichloroethane	11.17	97	150456	60.556	ug/l	97
56) Ethyl methacrylate	11.02	69	53885	20.871	ug/l #	89
57) 1,3-Dichloropropane	11.39	76	229743	61.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	446905	316.890	ug/l	99
59) 2-Hexanone	11.51	43	348126	255.617	ug/l	90
60) Dibromochloromethane	11.67	129	258908	60.298	ug/l	99
61) 1,2-Dibromoethane	11.78	107	179184	59.320	ug/l	99
64) Tetrachloroethene	11.23	164	158689	44.588	ug/l	95
65) Chlorobenzene	12.38	112	415573	49.023	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.49	131	226585	61.416	ug/l	97
67) Ethyl Benzene	12.51	91	721071	50.808	ug/l	96
68) m/p-Xylenes	12.65	106	498317	96.510	ug/l	80
69) o-Xylene	13.03	106	242647	50.548	ug/l	86
70) Styrene	13.05	104	410137	50.436	ug/l	94
71) Bromoform	13.22	173	148879	58.001	ug/l #	98
73) Isopropylbenzene	13.39	105	615030	64.859	ug/l	95
74) N-amyl acetate	13.25	43	27519	11.069	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.68	83	157112	87.519	ug/l	100
76) 1,2,3-Trichloropropane	13.72	75	159316	84.743	ug/l	99
77) Bromobenzene	13.65	156	188020	70.830	ug/l	90
78) n-propylbenzene	13.76	91	578895	51.177	ug/l	95
79) 2-Chlorotoluene	13.83	91	378971	58.498	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	474645	59.441	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.46	75	44103	83.098	ug/l #	70
82) 4-Chlorotoluene	13.94	91	444740	58.338	ug/l	92
83) tert-Butylbenzene	14.18	119	530192	59.073	ug/l	91
84) 1,2,4-Trimethylbenzene	14.22	105	473146	59.047	ug/l	90
85) sec-Butylbenzene	14.35	105	457363	46.478	ug/l	94
86) p-Isopropyltoluene	14.48	119	399487	45.438	ug/l	93
87) 1,3-Dichlorobenzene	14.44	146	234913	48.444	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	234845	49.289	ug/l	94
89) n-Butylbenzene	14.79	91	263899	33.441	ug/l	94
90) Hexachloroethane	14.99	117	106747	44.647	ug/l	97
91) 1,2-Dichlorobenzene	14.80	146	224449	56.202	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	26740	90.742	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	85013	29.246	ug/l	97
94) Hexachlorobutadiene	16.03	225	34600	16.004	ug/l	97
95) Naphthalene	16.11	128	171805	42.335	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	58414	31.962	ug/l	92

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

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