

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061339.D
 Acq On : 26 Mar 2019 16:40
 Operator : VA/AP
 Sample : K2047-05MSD
 Misc : 8.88g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(21-23)MSD

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:27 PM

Quant Time: Mar 27 09:27:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	562886	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	981721	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	798130	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	351288	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	284930	58.67	ug/l	-0.01
Spiked Amount			Recovery	=	117.34%	
35) Dibromofluoromethane	6.92	113	443958	59.10	ug/l	-0.02
Spiked Amount			Recovery	=	118.20%	
50) Toluene-d8	10.40	98	1049888	57.64	ug/l	-0.01
Spiked Amount			Recovery	=	115.28%	
62) 4-Bromofluorobenzene	13.55	95	358746	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	326220	56.684	ug/l	98
3) Chloromethane	1.77	50	249372	55.547	ug/l	96
4) Vinyl Chloride	1.86	62	267767	63.790	ug/l	99
5) Bromomethane	2.16	94	51173	60.063	ug/l	93
6) Chloroethane	2.28	64	85915	65.059	ug/l	97
7) Trichlorofluoromethane	2.53	101	328132	52.884	ug/l	100
8) Diethyl Ether	2.87	74	121308	65.754	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	363925	57.625	ug/l	96
10) Methyl Iodide	3.31	142	562450	63.748	ug/l	96
11) Tert butyl alcohol	4.05	59	71363	276.043	ug/l	100
12) 1,1-Dichloroethene	3.14	96	334556	61.564	ug/l	98
14) Allvl chloride	3.62	41	429538	55.720	ug/l	97
15) Acrylonitrile	4.19	53	314498	345.917	ug/l	99
16) Acetone	3.21	43	399115	343.583	ug/l	97
17) Carbon Disulfide	3.38	76	1101376	61.025	ug/l	98
18) Methyl Acetate	3.64	43	204406	93.094	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	590559	61.707	ug/l	97
20) Methylene Chloride	3.81	84	388036	58.856	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	353141	58.088	ug/l	94
22) Diisopropyl ether	5.11	45	1012323	62.337	ug/l	90
23) Vinyl Acetate	5.04	43	1393921	160.712	ug/l	99
24) 1,1-Dichloroethane	4.99	63	581334	61.430	ug/l	98
25) 2-Butanone	6.06	43	409767	304.980	ug/l	96
26) 2,2-Dichloropropane	6.01	77	335331	41.731	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	404062	61.762	ug/l	98
28) Bromochloromethane	6.43	49	223138	56.333	ug/l	98
29) Tetrahydrofuran	6.45	42	211882	316.824	ug/l	99
30) Chloroform	6.66	83	606307	60.122	ug/l	98
31) Cyclohexane	6.94	56	472047	61.457	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	529332	59.266	ug/l	99
36) 1,1-Dichloropropene	7.14	75	443166	55.175	ug/l	97
37) Ethyl Acetate	6.18	43	205465	61.244	ug/l	99
38) Carbon Tetrachloride	7.10	117	507533m	55.287	ug/l	
39) Methylcyclohexane	8.85	83	471078	56.630	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.45	78	1186096	59.459	ug/l	99
41) Methacrylonitrile	6.44	41	230722	59.182	ug/l	95
42) 1,2-Dichloroethane	7.57	62	355384	57.164	ug/l	97
43) Isopropyl Acetate	9.23	43	270870	55.996	ug/l	94
44) Trichloroethene	8.53	130	448612	62.184	ug/l	98
45) 1,2-Dichloropropane	8.93	63	318281	64.647	ug/l	99
46) Dibromomethane	9.05	93	209530	62.087	ug/l	99
47) Bromodichloromethane	9.37	83	462481	58.468	ug/l	96
48) Methyl methacrylate	9.11	41	169448	65.631	ug/l	97
49) 1,4-Dioxane	9.06	88	37761	1332.998	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	965049	335.132	ug/l	97
52) Toluene	10.50	92	669843	54.879	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	379847	55.256	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	449871	53.593	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	253045	62.445	ug/l	98
56) Ethyl methacrylate	11.03	69	245646	56.808	ug/l	100
57) 1,3-Dichloropropane	11.39	76	373056	60.957	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	616385	274.001	ug/l	97
59) 2-Hexanone	11.52	43	631657	302.021	ug/l	99
60) Dibromochloromethane	11.68	129	386893	60.959	ug/l	98
61) 1,2-Dibromoethane	11.80	107	300812	63.533	ug/l	98
64) Tetrachloroethene	11.25	164	429353	78.091	ug/l	98
65) Chlorobenzene	12.39	112	1057904	71.962	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	341210	59.866	ug/l	98
67) Ethyl Benzene	12.52	91	1294397	57.534	ug/l	100
68) m/p-Xylenes	12.66	106	567580	64.628	ug/l	98
69) o-Xylene	13.04	106	434900	53.394	ug/l	95
70) Stvrene	13.07	104	740091	53.539	ug/l	96
71) Bromoform	13.23	173	213128	61.107	ug/l #	96
73) Isopropylbenzene	13.39	105	1249846	54.701	ug/l	98
74) N-amyl acetate	13.26	43	210876	35.276	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	270239	60.990	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	242480	55.504	ug/l	95
77) Bromobenzene	13.67	156	366854	57.480	ug/l	90
78) n-propylbenzene	13.77	91	1387893	53.840	ug/l	98
79) 2-Chlorotoluene	13.84	91	894558	59.602	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	342377	18.995	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	70090	50.837	ug/l	100
82) 4-Chlorotoluene	13.94	91	782823	47.709	ug/l	95
83) tert-Butylbenzene	14.18	119	997930	48.490	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	342377	18.995	ug/l	96
85) sec-Butylbenzene	14.36	105	1162871	50.737	ug/l	96
86) p-Isopropyltoluene	14.49	119	1029542	50.349	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	549359	48.561	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	552690	50.435	ug/l	96
89) n-Butylbenzene	14.79	91	857359	47.226	ug/l	98
90) Hexachloroethane	15.00	117	308309	56.236	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	507963	56.273	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	35304	63.764	ug/l	68
93) 1,2,4-Trichlorobenzene	15.94	180	229847	55.133	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.03	225	151394	45.069	ug/l	99
95) Naphthalene	16.12	128	381205	62.668	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	106274	54.580	ug/l	99

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

