

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062307.D
 Acq On : 13 May 2019 16:21
 Operator : FY/SY
 Sample : K2734-04MS
 Misc : 2.99g/5mL/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS012-0002-01MS

Quant Time: May 14 05:10:33 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	7.07	168	468068	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	555954	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	376528	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	127153	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	256788	59.03	ug/l	0.04
Spiked Amount			Recovery	=	118.06%	
35) Dibromofluoromethane	6.95	113	289606	62.78	ug/l	0.05
Spiked Amount			Recovery	=	125.56%	
50) Toluene-d8	10.42	98	496275	44.62	ug/l	0.02
Spiked Amount			Recovery	=	89.24%	
62) 4-Bromofluorobenzene	13.56	95	159349	35.68	ug/l	0.01
Spiked Amount			Recovery	=	71.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	258567	57.759	ug/l	99
3) Chloromethane	1.76	50	145012	44.830	ug/l	90
4) Vinyl Chloride	1.86	62	158382	49.821	ug/l	99
5) Bromomethane	2.16	94	70696	94.907	ug/l	95
6) Chloroethane	2.28	64	89676	67.225	ug/l	99
7) Trichlorofluoromethane	2.55	101	448781	72.612	ug/l	99
8) Diethyl Ether	2.88	74	59915	50.265	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.17	101	252325	53.969	ug/l #	89
10) Methyl Iodide	3.33	142	288886	40.883	ug/l #	72
11) Tert butyl alcohol	4.09	59	54902	247.268	ug/l	96
12) 1,1-Dichloroethene	3.15	96	165950	46.498	ug/l #	81
13) Acrolein	3.05	56	3539	15.410	ug/l	95
14) Allyl chloride	3.64	41	241109	46.464	ug/l #	75
15) Acrylonitrile	4.22	53	113530	194.532	ug/l #	87
16) Acetone	3.24	43	180501	197.874	ug/l #	78
17) Carbon Disulfide	3.39	76	336912	32.816	ug/l	100
18) Methyl Acetate	3.66	43	293150	180.477	ug/l	91
19) Methyl tert-butyl Ether	4.26	73	445381	58.221	ug/l	94
20) Methylene Chloride	3.84	84	201811	52.986	ug/l	96
21) trans-1,2-Dichloroethene	4.24	96	155945	39.267	ug/l	90
22) Diisopropyl ether	5.14	45	580697	52.587	ug/l	91
23) Vinyl Acetate	5.14	43	281663	48.344	ug/l #	77
24) 1,1-Dichloroethane	5.01	63	351625	52.784	ug/l	97
25) 2-Butanone	6.09	43	218307	219.405	ug/l	94
26) 2,2-Dichloropropane	6.05	77	406558	61.268	ug/l	90
27) cis-1,2-Dichloroethene	6.06	96	190397	42.831	ug/l	89
28) Bromochloromethane	6.46	49	97277	37.116	ug/l #	76
29) Tetrahydrofuran	6.47	42	110324	240.644	ug/l	94
30) Chloroform	6.68	83	464188	57.818	ug/l	96
31) Cyclohexane	6.98	56	182290	39.942	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	474250	62.497	ug/l	98
36) 1,1-Dichloropropene	7.16	75	237506	52.104	ug/l	93
37) Ethyl Acetate	6.20	43	38185	19.753	ug/l #	97
38) Carbon Tetrachloride	7.13	117	442576	70.149	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	189899	43.481	ug/l	94
40) Benzene	7.48	78	549785	53.413	ug/l	99
41) Methacrylonitrile	6.47	41	135277	57.264	ug/l #	78
42) 1,2-Dichloroethane	7.60	62	305785	70.117	ug/l	90
43) Isopropyl Acetate	9.26	43	39996	14.589	ug/l #	86
44) Trichloroethene	8.56	130	167878	42.801	ug/l	75
45) 1,2-Dichloropropane	8.95	63	140484	55.178	ug/l #	89
46) Dibromomethane	9.08	93	113673	54.904	ug/l	89
47) Bromodichloromethane	9.39	83	340700	67.275	ug/l	99
48) Methyl methacrylate	9.14	41	137301	81.306	ug/l #	81
49) 1,4-Dioxane	9.10	88	18710	1026.877	ug/l #	88
51) 4-Methyl-2-Pentanone	10.31	43	501488	284.562	ug/l	90
52) Toluene	10.53	92	316955	47.327	ug/l	94
53) t-1,3-Dichloropropene	10.92	75	196721	44.945	ug/l	100
54) cis-1,3-Dichloropropene	10.06	75	241136	50.501	ug/l #	82
55) 1,1,2-Trichloroethane	11.21	97	137441	58.002	ug/l	97
56) Ethyl methacrylate	11.05	69	45096	18.314	ug/l #	79
57) 1,3-Dichloropropane	11.42	76	203043	56.718	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	294421	218.895	ug/l	97
59) 2-Hexanone	11.54	43	316628	243.768	ug/l	89
60) Dibromochloromethane	11.70	129	232652	56.811	ug/l	99
61) 1,2-Dibromoethane	11.82	107	131989	45.815	ug/l	94
64) Tetrachloroethene	11.28	164	127184	43.197	ug/l	95
65) Chlorobenzene	12.41	112	323994	46.199	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	226159	74.099	ug/l	94
67) Ethyl Benzene	12.54	91	596040	50.767	ug/l	93
68) m/p-Xylenes	12.67	106	381867	89.398	ug/l	82
69) o-Xylene	13.06	106	193867	48.818	ug/l	73
70) Styrene	13.08	104	294122	43.721	ug/l	93
71) Bromoform	13.25	173	136093	64.090	ug/l #	95
73) Isopropylbenzene	13.41	105	540470	70.910	ug/l	94
74) N-amyl acetate	13.27	43	19703	9.860	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	13.71	83	138321	95.861	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	138537	91.679	ug/l	98
77) Bromobenzene	13.68	156	144781	67.856	ug/l	96
78) n-propylbenzene	13.78	91	483442	53.172	ug/l	92
79) 2-Chlorotoluene	13.85	91	361204	69.366	ug/l	86
80) 1,3,5-Trimethylbenzene	13.94	105	402215	62.667	ug/l	89
81) trans-1,4-Dichloro-2-buten	13.48	75	32906	77.136	ug/l #	64
82) 4-Chlorotoluene	13.95	91	345020	56.306	ug/l	86
83) tert-Butylbenzene	14.20	119	508485	70.485	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	413576	64.212	ug/l	86
85) sec-Butylbenzene	14.38	105	406178	51.352	ug/l	99
86) p-Isopropyltoluene	14.50	119	349490	49.455	ug/l	91
87) 1,3-Dichlorobenzene	14.47	146	175084	44.920	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	170568	44.538	ug/l	98
89) n-Butylbenzene	14.80	91	205068	32.330	ug/l	93
90) Hexachloroethane	15.02	117	128012	66.611	ug/l	71
91) 1,2-Dichlorobenzene	14.82	146	186067	57.965	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	22386	94.512	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	74964	32.085	ug/l	96
94) Hexachlorobutadiene	16.04	225	54826	31.550	ug/l	99
95) Naphthalene	16.13	128	155478	47.665	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	61818	42.081	ug/l	99

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

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