

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062308.D
 Acq On : 13 May 2019 16:49
 Operator : FY/SY
 Sample : K2734-05MSD
 Misc : 4.59g/5mL/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:50:40 AM

Quant Time: May 14 05:41:34 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	7.06	168	453224	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	580708	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	328437	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	95774	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	264312	62.75	ug/l	0.05
Spiked Amount 50.000			Recovery	=	125.50%	
35) Dibromofluoromethane	6.95	113	305901	63.49	ug/l	0.05
Spiked Amount 50.000			Recovery	=	126.98%	
50) Toluene-d8	10.42	98	543486	46.78	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.56%	
62) 4-Bromofluorobenzene	13.56	95	140932	30.21	ug/l	0.01
Spiked Amount 50.000			Recovery	=	60.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	241602	55.737	ug/l	98
3) Chloromethane	1.76	50	159283	50.854	ug/l	99
4) Vinyl Chloride	1.86	62	164697	53.504	ug/l	98
5) Bromomethane	2.17	94	91678	127.105	ug/l	96
6) Chloroethane	2.29	64	84369	65.318	ug/l	97
7) Trichlorofluoromethane	2.55	101	399764	66.800	ug/l	99
8) Diethyl Ether	2.89	74	55185	47.814	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.17	101	244398	53.986	ug/l	94
10) Methyl Iodide	3.33	142	316060	46.194	ug/l #	84
11) Tert butyl alcohol	4.09	59	52333	243.417	ug/l #	91
12) 1,1-Dichloroethene	3.15	96	171518	49.632	ug/l	85
13) Acrolein	3.05	56	1136	5.109	ug/l #	70
14) Allyl chloride	3.64	41	249486	49.653	ug/l #	78
15) Acrylonitrile	4.22	53	114993	203.492	ug/l #	87
16) Acetone	3.24	43	178056	201.586	ug/l #	85
17) Carbon Disulfide	3.39	76	346672	34.873	ug/l	99
18) Methyl Acetate	3.66	43	306884	195.145	ug/l #	87
19) Methyl tert-butyl Ether	4.26	73	447266	60.383	ug/l	93
20) Methylene Chloride	3.84	84	184673	50.074	ug/l #	88
21) trans-1,2-Dichloroethene	4.24	96	162848	42.348	ug/l	84
22) Diisopropyl ether	5.15	45	595426	55.687	ug/l #	84
23) Vinyl Acetate	5.14	43	254101	45.042	ug/l #	77
24) 1,1-Dichloroethane	5.01	63	352504	54.649	ug/l	97
25) 2-Butanone	6.09	43	212526	220.591	ug/l	97
26) 2,2-Dichloropropane	6.05	77	392948	61.157	ug/l	90
27) cis-1,2-Dichloroethene	6.06	96	186094	43.234	ug/l	86
29) Tetrahydrofuran	6.47	42	104389	235.156	ug/l	95
30) Chloroform	6.69	83	454481	58.463	ug/l	98
31) Cyclohexane	6.99	56	189825	42.955	ug/l	95
32) 1,1,1-Trichloroethane	6.90	97	438369	59.661	ug/l	98
36) 1,1-Dichloropropene	7.16	75	221274	46.474	ug/l	92
37) Ethyl Acetate	6.20	43	21755	10.774	ug/l #	91
38) Carbon Tetrachloride	7.13	117	421606m	63.977	ug/l	
39) Methylcyclohexane	8.88	83	181442	39.774	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.48	78	543544	50.555	ug/l	98
41) Methacrylonitrile	6.46	41	129504	52.483	ug/l #	87
42) 1,2-Dichloroethane	7.60	62	288283	63.286	ug/l	92
43) Isopropyl Acetate	9.26	43	13106	4.577	ug/l #	85
44) Trichloroethene	8.56	130	158344	38.650	ug/l	86
45) 1,2-Dichloropropane	8.95	63	137578	51.733	ug/l	100
46) Dibromomethane	9.08	93	102774	47.524	ug/l	88
47) Bromodichloromethane	9.39	83	314092	59.378	ug/l	99
48) Methyl methacrylate	9.13	41	128649	72.935	ug/l #	82
49) 1,4-Dioxane	9.10	88	18225	957.620	ug/l #	88
51) 4-Methyl-2-Pentanone	10.31	43	485263	263.618	ug/l	92
52) Toluene	10.53	92	307009	43.888	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	177782	38.887	ug/l	94
54) cis-1,3-Dichloropropene	10.06	75	223554	44.823	ug/l #	86
55) 1,1,2-Trichloroethane	11.20	97	127081	51.343	ug/l	96
56) Ethyl methacrylate	11.05	69	18048	7.017	ug/l #	81
57) 1,3-Dichloropropane	11.42	76	182960	48.929	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	324649	231.079	ug/l	98
59) 2-Hexanone	11.54	43	294551	217.104	ug/l	84
60) Dibromochloromethane	11.70	129	215586	50.400	ug/l	100
61) 1,2-Dibromoethane	11.82	107	124136	41.253	ug/l	91
64) Tetrachloroethene	11.27	164	122944	47.871	ug/l	96
65) Chlorobenzene	12.41	112	276577	45.213	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	203787	76.545	ug/l	93
67) Ethyl Benzene	12.54	91	538947	52.626	ug/l	96
68) m/p-Xylenes	12.67	106	348336	93.488	ug/l	83
69) o-Xylene	13.06	106	190462	54.983	ug/l	82
70) Stvrene	13.08	104	247896	42.245	ug/l #	88
71) Bromoform	13.24	173	128688	69.476	ug/l	98
73) Isopropylbenzene	13.41	105	519588	90.505	ug/l	95
74) N-amyl acetate	13.27	43	1798	1.195	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	13.71	83	132165	121.605	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	115775	101.718	ug/l	92
77) Bromobenzene	13.68	156	125851	78.309	ug/l	97
78) n-propylbenzene	13.78	91	397980	58.113	ug/l	92
79) 2-Chlorotoluene	13.85	91	298861	76.198	ug/l	87
80) 1,3,5-Trimethylbenzene	13.94	105	405705	83.921	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	27276	84.888	ug/l #	50
82) 4-Chlorotoluene	13.95	91	288019	62.403	ug/l	82
83) tert-Butylbenzene	14.20	119	486116	89.462	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	389213	80.229	ug/l	85
85) sec-Butylbenzene	14.38	105	337276	56.612	ug/l	98
86) p-Isopropyltoluene	14.49	119	317964	59.736	ug/l	91
87) 1,3-Dichlorobenzene	14.47	146	138248	47.090	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	131371	45.542	ug/l	95
89) n-Butylbenzene	14.80	91	158741	33.226	ug/l	90
90) Hexachloroethane	15.02	117	116960	80.800	ug/l	75
91) 1,2-Dichlorobenzene	14.81	146	141148	58.378	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	19945	111.795	ug/l	94
93) 1,2,4-Trichlorobenzene	15.95	180	49318	28.024	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.04	225	38620	29.505	ug/l	96
95) Naphthalene	16.13	128	113030	46.004	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	41288	37.315	ug/l	97

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

