

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062016.D
 Acq On : 25 Apr 2019 3:05
 Operator : VA/AP
 Sample : VD0424SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS02

Quant Time: Apr 25 03:40:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	528834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	886445	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	742020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	367006	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	245076	59.21	ug/l	0.00
Spiked Amount			Recovery	=	118.42%	
35) Dibromofluoromethane	6.93	113	342491	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
50) Toluene-d8	10.41	98	790867	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
62) 4-Bromofluorobenzene	13.56	95	331456	56.65	ug/l	0.00
Spiked Amount			Recovery	=	113.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	82419	17.454	ug/l	98
3) Chloromethane	1.75	50	70466	17.558	ug/l	100
4) Vinyl Chloride	1.85	62	64441	17.715	ug/l	93
5) Bromomethane	2.15	94	18807	17.044	ug/l	95
6) Chloroethane	2.26	64	22118	16.821	ug/l	94
7) Trichlorofluoromethane	2.52	101	114059	20.738	ug/l	95
8) Diethyl Ether	2.87	74	26016	17.649	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	100610	19.857	ug/l	99
10) Methyl Iodide	3.31	142	121787	19.493	ug/l	98
11) Tert butyl alcohol	4.07	59	25436	108.769	ug/l	98
12) 1,1-Dichloroethene	3.13	96	84165	19.525	ug/l	97
13) Acrolein	3.04	56	22800	93.967	ug/l	87
14) Allyl chloride	3.62	41	114836	19.510	ug/l	98
15) Acrylonitrile	4.20	53	79915	110.359	ug/l	93
16) Acetone	3.22	43	87232	88.268	ug/l	97
17) Carbon Disulfide	3.38	76	213294	17.123	ug/l	99
18) Methyl Acetate	3.64	43	41001	21.650	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	186460	21.801	ug/l	98
20) Methylene Chloride	3.81	84	114026	21.909	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	96132	19.440	ug/l	97
22) Diisopropyl ether	5.11	45	263420	19.168	ug/l	93
23) Vinyl Acetate	5.05	43	732561	102.362	ug/l	98
24) 1,1-Dichloroethane	4.98	63	163145	19.642	ug/l	98
25) 2-Butanone	6.07	43	127823	106.680	ug/l	97
26) 2,2-Dichloropropane	6.02	77	128421	17.723	ug/l	94
27) cis-1,2-Dichloroethene	6.04	96	116163	20.649	ug/l	95
28) Bromochloromethane	6.44	49	74337	23.390	ug/l	94
29) Tetrahydrofuran	6.46	42	65594	111.105	ug/l	98
30) Chloroform	6.67	83	200936	21.299	ug/l	99
31) Cyclohexane	6.95	56	106573	17.286	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	175400	21.368	ug/l	98
36) 1,1-Dichloropropene	7.15	75	142195	20.589	ug/l	97
37) Ethyl Acetate	6.18	43	66341	22.542	ug/l	96
38) Carbon Tetrachloride	7.11	117	170079	19.434	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	126424	18.554	ug/l	98
40) Benzene	7.46	78	331179	19.370	ug/l	98
41) Methacrylonitrile	6.44	41	76107	22.163	ug/l #	94
42) 1,2-Dichloroethane	7.58	62	126680	21.821	ug/l	96
43) Isopropyl Acetate	9.24	43	90237	20.984	ug/l	93
44) Trichloroethene	8.54	130	126081	19.021	ug/l	90
45) 1,2-Dichloropropane	8.93	63	81843	18.868	ug/l	99
46) Dibromomethane	9.06	93	65175	20.882	ug/l	98
47) Bromodichloromethane	9.38	83	146532	19.870	ug/l	99
48) Methyl methacrylate	9.12	41	56401	22.988	ug/l	96
49) 1,4-Dioxane	9.09	88	11985	453.090	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	293520	111.612	ug/l	99
52) Toluene	10.51	92	196258	18.002	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	131474	21.239	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	153255	20.356	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	79179	21.634	ug/l	97
56) Ethyl methacrylate	11.05	69	82092	20.252	ug/l	99
57) 1,3-Dichloropropane	11.41	76	111476	19.721	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	233804	124.059	ug/l	98
59) 2-Hexanone	11.53	43	193136	97.902	ug/l	97
60) Dibromochloromethane	11.69	129	117038	19.326	ug/l	93
61) 1,2-Dibromoethane	11.81	107	85365	19.662	ug/l	95
64) Tetrachloroethene	11.26	164	120317	22.730	ug/l	93
65) Chlorobenzene	12.40	112	294596	21.010	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	119693	20.124	ug/l	96
67) Ethyl Benzene	12.53	91	447414	19.550	ug/l	98
68) m/p-Xylenes	12.67	106	298324	36.066	ug/l	97
69) o-Xylene	13.05	106	152906	20.204	ug/l	99
70) Styrene	13.08	104	251294	19.230	ug/l	97
71) Bromoform	13.24	173	70976	20.932	ug/l	99
73) Isopropylbenzene	13.40	105	432600	17.670	ug/l	99
74) N-amyl acetate	13.26	43	113559	18.011	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	96641	20.144	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	92829	19.918	ug/l	97
77) Bromobenzene	13.67	156	125370	17.851	ug/l	87
78) n-propylbenzene	13.78	91	496897	17.730	ug/l	100
79) 2-Chlorotoluene	13.85	91	282538	16.644	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	376430	19.283	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	24203	17.137	ug/l	92
82) 4-Chlorotoluene	13.94	91	346981	18.560	ug/l	88
83) tert-Butylbenzene	14.19	119	401198	17.741	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	299203	16.052	ug/l	98
85) sec-Butylbenzene	14.37	105	431499	17.659	ug/l	98
86) p-Isopropyltoluene	14.50	119	391301	17.894	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	222292	18.074	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	220323	19.156	ug/l	100
89) n-Butylbenzene	14.80	91	312737	15.929	ug/l	97
90) Hexachloroethane	15.01	117	100863	17.057	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	177403	17.487	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11534	18.051	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	100413	18.344	ug/l	97
94) Hexachlorobutadiene	16.04	225	71617	17.680	ug/l	98
95) Naphthalene	16.12	128	151445	17.135	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	60608	19.515	ug/l	97

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

