

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062124.D
 Acq On : 6 May 2019 11:43
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 07 05:15:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	494227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	781760	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	653592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	332978	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	220061	56.89	ug/l	0.00
Spiked Amount			Recovery	=	113.78%	
35) Dibromofluoromethane	6.93	113	314529	58.17	ug/l	0.00
Spiked Amount			Recovery	=	116.34%	
50) Toluene-d8	10.40	98	729084	56.67	ug/l	-0.01
Spiked Amount			Recovery	=	113.34%	
62) 4-Bromofluorobenzene	13.55	95	299226	57.99	ug/l	0.00
Spiked Amount			Recovery	=	115.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	206073	46.696	ug/l	99
3) Chloromethane	1.75	50	152350	40.618	ug/l	97
4) Vinyl Chloride	1.85	62	159205	46.830	ug/l	98
5) Bromomethane	2.15	94	50371	58.368	ug/l	98
6) Chloroethane	2.26	64	61442	49.998	ug/l	97
7) Trichlorofluoromethane	2.53	101	275584	53.614	ug/l	99
8) Diethyl Ether	2.86	74	58395	42.388	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.15	101	237591	50.177	ug/l	95
10) Methyl Iodide	3.31	142	323862	45.448	ug/l	96
11) Tert butyl alcohol	4.04	59	56628	259.108	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	183403	45.527	ug/l	95
13) Acrolein	3.03	56	60698	267.676	ug/l	99
14) Allyl chloride	3.62	41	245995	44.719	ug/l	92
15) Acrylonitrile	4.19	53	151892	224.444	ug/l	91
16) Acetone	3.22	43	258718	280.123	ug/l	97
17) Carbon Disulfide	3.38	76	505083	43.388	ug/l	98
18) Methyl Acetate	3.64	43	79993	47.656	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	378273	47.325	ug/l	96
20) Methylene Chloride	3.82	84	202007	44.582	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	209171	45.262	ug/l	94
22) Diisopropyl ether	5.12	45	570568	44.426	ug/l	97
23) Vinyl Acetate	5.06	43	1533401	229.269	ug/l	100
24) 1,1-Dichloroethane	4.98	63	360480	46.439	ug/l	100
25) 2-Butanone	6.07	43	248457	221.880	ug/l	97
26) 2,2-Dichloropropane	6.02	77	339128	50.078	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	230419	43.828	ug/l	94
28) Bromochloromethane	6.44	49	150981	50.833	ug/l	99
29) Tetrahydrofuran	6.46	42	108354	196.384	ug/l	94
30) Chloroform	6.66	83	399511	45.312	ug/l	99
31) Cyclohexane	6.96	56	247232	42.910	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	376916	49.133	ug/l	97
36) 1,1-Dichloropropene	7.15	75	290142	47.636	ug/l	98
37) Ethyl Acetate	6.18	43	116209	44.774	ug/l	97
38) Carbon Tetrachloride	7.11	117	391795m	50.764	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	272000	45.263	ug/l	99
40) Benzene	7.46	78	681265	45.181	ug/l	100
41) Methacrylonitrile	6.44	41	139120	45.939	ug/l #	88
42) 1,2-Dichloroethane	7.58	62	254037	49.619	ug/l	99
43) Isopropyl Acetate	9.24	43	163574	43.133	ug/l #	97
44) Trichloroethene	8.54	130	277132	47.407	ug/l	99
45) 1,2-Dichloropropane	8.94	63	180131	47.089	ug/l	98
46) Dibromomethane	9.07	93	132207	48.031	ug/l	90
47) Bromodichloromethane	9.38	83	323134	49.684	ug/l	99
48) Methyl methacrylate	9.11	41	103318	47.750	ug/l	93
49) 1,4-Dioxane	9.08	88	23076	989.202	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	576453	248.551	ug/l	99
52) Toluene	10.51	92	491976	51.171	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	273706	50.137	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	339865	51.187	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	163793	50.745	ug/l	98
56) Ethyl methacrylate	11.04	69	171959	48.102	ug/l	98
57) 1,3-Dichloropropane	11.41	76	245572	49.260	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	458287	275.735	ug/l	96
59) 2-Hexanone	11.53	43	446103	256.415	ug/l	98
60) Dibromochloromethane	11.68	129	293434	54.943	ug/l	97
61) 1,2-Dibromoethane	11.80	107	203711	53.203	ug/l	95
64) Tetrachloroethene	11.26	164	219238	47.022	ug/l	99
65) Chlorobenzene	12.40	112	582340	47.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	260831	49.788	ug/l	95
67) Ethyl Benzene	12.52	91	994192	49.319	ug/l	98
68) m/p-Xylenes	12.67	106	697115	95.681	ug/l	99
69) o-Xylene	13.05	106	330796	49.622	ug/l	97
70) Styrene	13.07	104	567015	49.260	ug/l	98
71) Bromoform	13.24	173	163935	54.888	ug/l #	97
73) Isopropylbenzene	13.41	105	1001743	45.099	ug/l	98
74) N-amyl acetate	13.27	43	224865	39.310	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	181402	41.676	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	193321	45.720	ug/l	96
77) Bromobenzene	13.67	156	276202	43.347	ug/l	97
78) n-propylbenzene	13.77	91	1122032	44.127	ug/l	97
79) 2-Chlorotoluene	13.84	91	654726	42.510	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	776071	43.819	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	58648	45.771	ug/l	93
82) 4-Chlorotoluene	13.95	91	705714	41.606	ug/l	97
83) tert-Butylbenzene	14.19	119	933320	45.490	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	822019	48.608	ug/l	97
85) sec-Butylbenzene	14.37	105	1022979	46.145	ug/l	97
86) p-Isopropyltoluene	14.49	119	915714	46.153	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	488169	43.749	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	496031	47.534	ug/l	95
89) n-Butylbenzene	14.79	91	776720	43.605	ug/l	96
90) Hexachloroethane	15.01	117	229179	42.717	ug/l	86
91) 1,2-Dichlorobenzene	14.80	146	408863	44.420	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	27845	43.652	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	211700	42.627	ug/l	98
94) Hexachlorobutadiene	16.04	225	163652	44.528	ug/l	96
95) Naphthalene	16.12	128	358119	44.661	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	132123	46.889	ug/l	98

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

