

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061796.D
 Acq On : 15 Apr 2019 12:46
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Apr 16 08:19:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.10	168	631283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.27	114	1001708	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.40	117	874780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	413198	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.50	65	24447	4.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.20%	
35) Dibromofluoromethane	6.98	113	36541	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
50) Toluene-d8	10.45	98	91612	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
62) 4-Bromofluorobenzene	13.57	95	35234	4.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	31975	5.162	ug/l	98
3) Chloromethane	1.77	50	25263	5.118	ug/l	96
4) Vinyl Chloride	1.88	62	24528	5.006	ug/l	95
5) Bromomethane	2.17	94	9094	7.243	ug/l #	79
6) Chloroethane	2.29	64	7886	4.718	ug/l	91
7) Trichlorofluoromethane	2.56	101	39090	4.929	ug/l	98
8) Diethyl Ether	2.90	74	10713	5.144	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.19	101	35840	5.062	ug/l	95
10) Methyl Iodide	3.36	142	29329	3.072	ug/l	99
11) Tert butyl alcohol	4.11	59	6429	20.500	ug/l #	76
12) 1,1-Dichloroethene	3.17	96	28965	4.863	ug/l	94
13) Acrolein	3.08	56	7989	26.295	ug/l	88
14) Allyl chloride	3.66	41	36810	4.534	ug/l	94
15) Acrylonitrile	4.24	53	21690	22.030	ug/l	97
16) Acetone	3.26	43	29607	22.586	ug/l	95
17) Carbon Disulfide	3.42	76	91700	4.764	ug/l	97
18) Methyl Acetate	3.69	43	14709	5.595	ug/l	98
19) Methyl tert-butyl Ether	4.29	73	50261	4.533	ug/l	92
20) Methylene Chloride	3.87	84	59413	7.511	ug/l	93
21) trans-1,2-Dichloroethene	4.27	96	29716	4.543	ug/l #	86
22) Diisopropyl ether	5.18	45	84171	4.858	ug/l	97
23) Vinyl Acetate	5.11	43	199015	21.520	ug/l	99
24) 1,1-Dichloroethane	5.04	63	48402	4.603	ug/l	96
25) 2-Butanone	6.12	43	33697	22.576	ug/l #	91
26) 2,2-Dichloropropane	6.07	77	44565	4.898	ug/l	89
27) cis-1,2-Dichloroethene	6.09	96	35243	4.964	ug/l	98
28) Bromochloromethane	6.49	49	19104	4.778	ug/l	90
29) Tetrahydrofuran	6.51	42	17407	23.940	ug/l	99
30) Chloroform	6.71	83	55184	4.701	ug/l	93
31) Cyclohexane	7.01	56	40591	5.038	ug/l	91
32) 1,1,1-Trichloroethane	6.93	97	48208	4.633	ug/l	92
36) 1,1-Dichloropropene	7.20	75	36702	4.483	ug/l	90
37) Ethyl Acetate	6.24	43	15869	4.530	ug/l #	93
38) Carbon Tetrachloride	7.17	117	53084	4.981	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.92	83	43605	5.130	ug/l	98
40) Benzene	7.51	78	91097	4.635	ug/l	97
41) Methacrylonitrile	6.49	41	20449	4.938	ug/l	95
42) 1,2-Dichloroethane	7.63	62	33276	4.862	ug/l	97
43) Isopropyl Acetate	9.28	43	22053	4.473	ug/l	94
44) Trichloroethene	8.58	130	35983	4.756	ug/l	100
45) 1,2-Dichloropropane	8.99	63	23693	4.629	ug/l #	87
46) Dibromomethane	9.10	93	17336	4.753	ug/l	90
47) Bromodichloromethane	9.42	83	38596	4.587	ug/l	96
48) Methyl methacrylate	9.16	41	13226	4.564	ug/l	88
49) 1,4-Dioxane	9.12	88	2614	82.526	ug/l #	76
51) 4-Methyl-2-Pentanone	10.34	43	71157	23.602	ug/l	97
52) Toluene	10.55	92	56649	4.498	ug/l	99
53) t-1,3-Dichloropropene	10.96	75	34364	4.532	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	43024	4.834	ug/l	93
55) 1,1,2-Trichloroethane	11.23	97	20587	4.851	ug/l	98
56) Ethyl methacrylate	11.08	69	21920	4.706	ug/l	95
57) 1,3-Dichloropropane	11.45	76	29436	4.614	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.90	63	60135	27.146	ug/l	92
59) 2-Hexanone	11.57	43	53600	23.937	ug/l	98
60) Dibromochloromethane	11.72	129	31025	4.468	ug/l	94
61) 1,2-Dibromoethane	11.84	107	25340	4.856	ug/l	83
64) Tetrachloroethene	11.30	164	32041	4.884	ug/l	95
65) Chlorobenzene	12.43	112	80612	4.948	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.54	131	32123	4.705	ug/l	93
67) Ethyl Benzene	12.55	91	127288	4.879	ug/l	99
68) m/p-Xylenes	12.70	106	92015	9.389	ug/l	92
69) o-Xylene	13.07	106	45218	4.909	ug/l	96
70) Styrene	13.10	104	76069	4.799	ug/l	98
71) Bromoform	13.26	173	16337	4.031	ug/l	95
73) Isopropylbenzene	13.43	105	120534	4.498	ug/l	100
74) N-amyl acetate	13.29	43	32012	4.442	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.72	83	22722	4.290	ug/l	98
76) 1,2,3-Trichloropropane	13.75	75	23364	4.306	ug/l	95
77) Bromobenzene	13.69	156	35097	4.611	ug/l	92
78) n-propylbenzene	13.80	91	133474	4.311	ug/l	98
79) 2-Chlorotoluene	13.86	91	81335	4.524	ug/l	91
80) 1,3,5-Trimethylbenzene	13.96	105	100281	4.716	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.50	75	6057	3.918	ug/l #	89
82) 4-Chlorotoluene	13.97	91	101569	4.906	ug/l	91
83) tert-Butylbenzene	14.21	119	117519	4.707	ug/l	92
84) 1,2,4-Trimethylbenzene	14.26	105	99069	4.635	ug/l	98
85) sec-Butylbenzene	14.39	105	124821	4.836	ug/l	100
86) p-Isopropyltoluene	14.51	119	117394	4.861	ug/l	98
87) 1,3-Dichlorobenzene	14.48	146	59762	4.497	ug/l	96
88) 1,4-Dichlorobenzene	14.56	146	65481	4.985	ug/l	98
89) n-Butylbenzene	14.81	91	108364	5.070	ug/l	92
90) Hexachloroethane	15.03	117	29323	4.455	ug/l	92
91) 1,2-Dichlorobenzene	14.83	146	57274	5.145	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.40	75	2535	3.456	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.97	180	27667	4.525	ug/l	91
94) Hexachlorobutadiene	16.05	225	20339	4.591	ug/l	96
95) Naphthalene	16.14	128	41081	4.384	ug/l	99
96) 1,2,3-Trichlorobenzene	16.29	180	16637	4.775	ug/l	90

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

