

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061643.D
 Acq On : 6 Apr 2019 15:12
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 08 07:08:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:00:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	709020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1228723	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1022491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	436160	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	115276	22.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	44.14%	
35) Dibromofluoromethane	6.91	113	184876	22.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	44.36%	
50) Toluene-d8	10.41	98	435206	21.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	42.78%	
62) 4-Bromofluorobenzene	13.55	95	169899	21.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	43.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	166201	22.340	ug/l	100
3) Chloromethane	1.76	50	144749	24.112	ug/l	95
4) Vinyl Chloride	1.85	62	130748	22.673	ug/l	98
5) Bromomethane	2.15	94	24677	19.097	ug/l	96
6) Chloroethane	2.26	64	32835	18.122	ug/l	97
7) Trichlorofluoromethane	2.52	101	190784	22.479	ug/l	97
8) Diethyl Ether	2.88	74	50468	20.531	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	188676	22.330	ug/l	96
10) Methyl Iodide	3.30	142	205526	18.899	ug/l	97
11) Tert butyl alcohol	4.07	59	36263	100.497	ug/l	97
12) 1,1-Dichloroethene	3.12	96	170647	23.287	ug/l	99
13) Acrolein	3.04	56	48817	112.629	ug/l	99
14) Allyl chloride	3.62	41	217333	21.352	ug/l	98
15) Acrylonitrile	4.20	53	136031	114.409	ug/l	99
16) Acetone	3.22	43	151020	96.887	ug/l	95
17) Carbon Disulfide	3.37	76	531689	22.316	ug/l	100
18) Methyl Acetate	3.64	43	62860	20.748	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	280789	22.362	ug/l	99
20) Methylene Chloride	3.81	84	186971	20.996	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	180820	22.882	ug/l	99
22) Diisopropyl ether	5.11	45	449300	21.522	ug/l	99
23) Vinyl Acetate	5.04	43	1225178	106.172	ug/l	100
24) 1,1-Dichloroethane	4.98	63	275363	21.403	ug/l	100
25) 2-Butanone	6.06	43	189606	104.086	ug/l	99
26) 2,2-Dichloropropane	6.02	77	230369	22.039	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	188831	22.422	ug/l	95
28) Bromochloromethane	6.43	49	93711	20.396	ug/l	95
29) Tetrahydrofuran	6.45	42	94171	107.945	ug/l	98
30) Chloroform	6.66	83	289750	21.640	ug/l	99
31) Cyclohexane	6.94	56	221356	22.438	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	262036	22.281	ug/l	95
36) 1,1-Dichloropropene	7.14	75	232911	21.201	ug/l	98
37) Ethyl Acetate	6.18	43	90081	19.752	ug/l	97
38) Carbon Tetrachloride	7.10	117	264519	20.845	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	224184	19.575	ug/l	99
40) Benzene	7.45	78	529644	19.926	ug/l	98
41) Methacrylonitrile	6.44	41	106477	20.716	ug/l #	98
42) 1,2-Dichloroethane	7.57	62	169713	20.201	ug/l	99
43) Isopropyl Acetate	9.24	43	136340	20.803	ug/l #	100
44) Trichloroethene	8.54	130	205021	20.247	ug/l	91
45) 1,2-Dichloropropane	8.93	63	143324	22.012	ug/l	98
46) Dibromomethane	9.06	93	95793	20.756	ug/l	94
47) Bromodichloromethane	9.37	83	215576	20.896	ug/l	100
48) Methyl methacrylate	9.12	41	75825	20.924	ug/l	98
49) 1,4-Dioxane	9.07	88	17449	435.027	ug/l	99
51) 4-Methyl-2-Pentanone	10.29	43	411020	106.509	ug/l	100
52) Toluene	10.50	92	350337	21.277	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	175849	19.301	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	238772	21.274	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	118507	21.829	ug/l	98
56) Ethyl methacrylate	11.04	69	116022	19.669	ug/l	98
57) 1,3-Dichloropropane	11.40	76	168979	20.615	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	279894	104.736	ug/l	96
59) 2-Hexanone	11.53	43	308648	105.980	ug/l	97
60) Dibromochloromethane	11.68	129	183589	21.245	ug/l	99
61) 1,2-Dibromoethane	11.80	107	137714	21.496	ug/l	93
64) Tetrachloroethene	11.26	164	162951	20.885	ug/l	98
65) Chlorobenzene	12.40	112	432235	21.442	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	158741	19.803	ug/l	98
67) Ethyl Benzene	12.52	91	645585	20.105	ug/l	100
68) m/p-Xylenes	12.66	106	534148	45.035	ug/l	99
69) o-Xylene	13.05	106	241436	21.048	ug/l	91
70) Styrene	13.07	104	404355	20.585	ug/l	100
71) Bromoform	13.23	173	97697	20.422	ug/l	99
73) Isopropylbenzene	13.40	105	687819	23.431	ug/l	100
74) N-amyl acetate	13.26	43	163747	20.639	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	128104	21.824	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	119085	20.347	ug/l	98
77) Bromobenzene	13.67	156	163604	19.023	ug/l	83
78) n-propylbenzene	13.77	91	814320	23.583	ug/l	100
79) 2-Chlorotoluene	13.83	91	452514	22.917	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	528923	22.958	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	39305	21.698	ug/l	94
82) 4-Chlorotoluene	13.94	91	517084	23.967	ug/l	93
83) tert-Butylbenzene	14.19	119	631640	22.916	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	540484	22.830	ug/l	97
85) sec-Butylbenzene	14.37	105	701959	23.844	ug/l	95
86) p-Isopropyltoluene	14.48	119	516663	19.023	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	317116	21.651	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	335310	23.112	ug/l	97
89) n-Butylbenzene	14.80	91	525954	22.557	ug/l	97
90) Hexachloroethane	15.01	117	164943	23.528	ug/l	81
91) 1,2-Dichlorobenzene	14.81	146	278664	23.201	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14522	19.774	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	136977	22.543	ug/l	98
94) Hexachlorobutadiene	16.03	225	107949	23.088	ug/l	99
95) Naphthalene	16.12	128	202355	21.116	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	70618	23.472	ug/l	98

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

