

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011909.D
 Acq On : 30 Aug 2019 15:02
 Operator : SY/SP
 Sample : K4475-03
 Misc : 6.01g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-E-(2.5)

Quant Time: Aug 31 02:02:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	1405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	2014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	2294	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	1148	85.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	170.56%	
35) Dibromofluoromethane	5.48	113	406	31.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	62.88%	
50) Toluene-d8	8.71	98	2384	51.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.14	95	1377	68.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	136.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	690	81.370	ug/l	85
3) Chloromethane	1.31	50	382	38.860	ug/l	91
4) Vinyl Chloride	1.40	62	157	16.725	ug/l #	83
5) Bromomethane	1.65	94	406	62.510	ug/l #	62
6) Chloroethane	1.69	64	46	7.874	ug/l #	1
7) Trichlorofluoromethane	1.93	101	330	20.243	ug/l #	63
8) Diethyl Ether	2.17	74	2708	483.351	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	44	4.141	ug/l #	1
10) Methyl Iodide	2.50	142	594	51.117	ug/l #	84
11) Tert butyl alcohol	3.05	59	1662	1283.331	ug/l #	72
12) 1,1-Dichloroethene	2.35	96	199	20.166	ug/l #	23
13) Acrolein	2.23	56	142	220.298	ug/l #	13
14) Allyl chloride	2.75	41	150	8.103	ug/l #	24
15) Acrylonitrile	3.13	53	240	77.988	ug/l #	18
16) Acetone	2.43	43	52497	18125.519	ug/l	98
17) Carbon Disulfide	2.56	76	847	29.924	ug/l #	91
18) Methyl Acetate	2.75	43	167	20.830	ug/l #	53
19) Methyl tert-butyl Ether	3.19	73	101	3.159	ug/l #	60
20) Methylene Chloride	2.84	84	22420	2006.299	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	176	15.141	ug/l #	1
22) Diisopropyl ether	3.83	45	207	5.478	ug/l #	37
23) Vinyl Acetate	3.81	43	554	22.802	ug/l #	72
24) 1,1-Dichloroethane	3.70	63	88	4.223	ug/l #	81
25) 2-Butanone	4.67	43	1397	331.171	ug/l #	47
26) 2,2-Dichloropropane	4.39	77	262	14.990	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	254	18.551	ug/l	82
28) Bromochloromethane	5.00	49	32	3.422	ug/l #	93
29) Tetrahydrofuran	5.12	42	5387	2045.995	ug/l #	75
30) Chloroform	5.20	83	1347	60.453	ug/l	87
31) Cyclohexane	5.58	56	125	7.437	ug/l #	80
32) 1,1,1-Trichloroethane	5.48	97	111	5.608	ug/l #	2
36) 1,1-Dichloropropene	5.78	75	24	1.504	ug/l #	40
37) Ethyl Acetate	4.81	43	148	15.670	ug/l #	86
38) Carbon Tetrachloride	5.77	117	77	4.161	ug/l #	12

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	516	27.151	ug/l #	57
40) Benzene	6.14	78	1460	30.655	ug/l #	84
41) Methacrylonitrile	5.01	41	162	29.131	ug/l #	24
42) 1,2-Dichloroethane	6.14	62	107	6.606	ug/l	78
43) Isopropyl Acetate	6.45	43	86	4.491	ug/l #	60
44) Trichloroethene	7.21	130	45	3.054	ug/l	98
45) 1,2-Dichloropropane	7.48	63	61	4.896	ug/l #	1
46) Dibromomethane	7.67	93	32	4.328	ug/l #	1
47) Bromodichloromethane	7.90	83	112	6.109	ug/l #	67
48) Methyl methacrylate	7.79	41	205	22.003	ug/l #	42
49) 1,4-Dioxane	7.73	88	19	148.295	ug/l #	1
51) 4-Methyl-2-Pentanone	8.55	43	367	37.727	ug/l	92
52) Toluene	8.78	92	3145	99.814	ug/l	93
53) t-1,3-Dichloropropene	9.06	75	209	11.129	ug/l #	43
54) cis-1,3-Dichloropropene	8.43	75	89	4.222	ug/l #	40
55) 1,1,2-Trichloroethane	9.20	97	125	11.548	ug/l #	20
56) Ethyl methacrylate	9.18	69	52	3.461	ug/l #	1
57) 1,3-Dichloropropane	9.37	76	164	9.129	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.07	63	68	9.504	ug/l	94
59) 2-Hexanone	9.50	43	637	92.185	ug/l	98
60) Dibromochloromethane	9.58	129	87	5.984	ug/l #	11
61) 1,2-Dibromoethane	9.66	107	126	11.741	ug/l #	61
64) Tetrachloroethene	9.33	164	277	18.077	ug/l #	69
65) Chlorobenzene	10.14	112	457	12.379	ug/l #	79
66) 1,1,1,2-Tetrachloroethane	10.23	131	61	4.086	ug/l #	17
67) Ethyl Benzene	10.25	91	1011	16.100	ug/l #	58
68) m/p-Xylenes	10.36	106	814	33.571	ug/l	93
69) o-Xylene	10.70	106	349	14.771	ug/l	92
70) Styrene	10.71	104	623	14.959	ug/l #	60
71) Bromoform	10.86	173	21	1.989	ug/l #	1
73) Isopropylbenzene	11.01	105	711	5.394	ug/l	99
74) N-amyl acetate	10.89	43	191	4.883	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	270	10.009	ug/l #	64
76) 1,2,3-Trichloropropane	11.29	75	199	8.819	ug/l #	34
77) Bromobenzene	11.25	156	326	8.528	ug/l #	53
78) n-propylbenzene	11.42	91	745	4.984	ug/l	85
79) 2-Chlorotoluene	11.42	91	745	8.281	ug/l	85
80) 1,3,5-Trimethylbenzene	11.51	105	643	5.652	ug/l	88
81) trans-1,4-Dichloro-2-buten	11.14	75	868	96.630	ug/l #	21
82) 4-Chlorotoluene	11.50	91	963	8.873	ug/l	87
83) tert-Butylbenzene	11.76	119	458	3.967	ug/l #	35
84) 1,2,4-Trimethylbenzene	11.81	105	1334	11.441	ug/l	99
85) sec-Butylbenzene	11.94	105	737	5.496	ug/l	84
86) p-Isopropyltoluene	12.06	119	695	5.345	ug/l #	62
87) 1,3-Dichlorobenzene	12.03	146	725	10.205	ug/l	93
88) 1,4-Dichlorobenzene	12.10	146	900	12.531	ug/l	89
89) n-Butylbenzene	12.38	91	1050	9.128	ug/l	89
90) Hexachloroethane	12.59	117	147	5.844	ug/l #	1
91) 1,2-Dichlorobenzene	12.38	146	665	10.068	ug/l #	80
92) 1,2-Dibromo-3-Chloropropan	12.98	75	135	25.123	ug/l #	39

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	1132	20.353	ug/l	93
94) Hexachlorobutadiene	13.78	225	379	10.204	ug/l	92
95) Naphthalene	13.83	128	2986	31.282	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.02	180	968	19.246	ug/l	94

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

