

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051419\
 Data File : VF062589.D
 Acq On : 14 May 2019 18:49
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF051419

Quant Time: May 15 05:23:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051419S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 05:06:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.08	168	681187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1092452	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	823618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	395656	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	229273	44.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.10%	
35) Dibromofluoromethane	4.33	113	381563	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
50) Toluene-d8	7.73	98	936262	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.51	95	326891	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	292455	47.401	ug/l	96
3) Chloromethane	1.15	50	331364	42.656	ug/l	96
4) Vinyl Chloride	1.20	62	331066	42.820	ug/l	95
5) Bromomethane	1.39	94	172551	46.690	ug/l	92
6) Chloroethane	1.44	64	143554	48.892	ug/l	98
7) Trichlorofluoromethane	1.56	101	457175	43.156	ug/l	98
8) Diethyl Ether	1.72	74	108240	45.581	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.92	101	313372	43.368	ug/l #	92
10) Methyl Iodide	1.99	142	542108	42.124	ug/l	94
11) Tert butyl alcohol	2.71	59	72591	234.294	ug/l	97
12) 1,1-Dichloroethene	1.88	96	275133	44.449	ug/l	96
13) Acrolein	2.11	56	34706	169.022	ug/l	92
14) Allyl chloride	2.21	41	317727m	50.164	ug/l	
15) Acrylonitrile	3.10	53	243642	219.831	ug/l	96
16) Acetone	2.36	43	265815	254.561	ug/l	90
17) Carbon Disulfide	1.92	76	610353	47.123	ug/l	98
18) Methyl Acetate	2.48	43	103999	47.411	ug/l	96
19) Methyl tert-butyl Ether	2.56	73	526337	47.757	ug/l	96
20) Methylene Chloride	2.30	84	278345m	41.791	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	268090	42.976	ug/l	98
22) Diisopropyl ether	2.95	45	716083	48.625	ug/l	96
23) Vinyl Acetate	3.37	43	1975277	245.225	ug/l	97
24) 1,1-Dichloroethane	3.03	63	505085	45.054	ug/l	99
25) 2-Butanone	4.55	43	569347	241.176	ug/l	99
26) 2,2-Dichloropropane	3.80	77	271009	44.793	ug/l	91
27) cis-1,2-Dichloroethene	3.67	96	400477	45.439	ug/l	98
28) Bromochloromethane	3.93	49	270138	42.868	ug/l #	81
29) Tetrahydrofuran	4.29	42	228510	228.741	ug/l	96
30) Chloroform	4.08	83	607918	45.192	ug/l	92
31) Cyclohexane	3.91	56	492843	42.181	ug/l	96
32) 1,1,1-Trichloroethane	4.32	97	409766	45.192	ug/l	96
36) 1,1-Dichloropropene	4.50	75	450529	47.660	ug/l	97
37) Ethyl Acetate	4.32	43	191022	49.174	ug/l	90
38) Carbon Tetrachloride	4.20	117	376202	48.514	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	504823	45.612	ug/l	95
40) Benzene	4.84	78	1235060	45.925	ug/l	100
41) Methacrylonitrile	4.95	41	110286	50.135	ug/l	94
42) 1,2-Dichloroethane	5.15	62	267894	46.943	ug/l	100
43) Isopropyl Acetate	7.13	43	232054	50.482	ug/l	99
44) Trichloroethene	5.71	130	337979	46.536	ug/l	99
45) 1,2-Dichloropropane	6.43	63	330381	48.807	ug/l	99
46) Dibromomethane	6.28	93	178975	47.291	ug/l	93
47) Bromodichloromethane	6.58	83	398860	49.025	ug/l	97
48) Methyl methacrylate	6.89	41	129190	51.345	ug/l	98
49) 1,4-Dioxane	6.89	88	28029	845.344	ug/l #	84
51) 4-Methyl-2-Pentanone	8.42	43	836562	248.371	ug/l	94
52) Toluene	7.80	92	627447	46.478	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	303469	47.215	ug/l	96
54) cis-1,3-Dichloropropene	7.49	75	443578	48.837	ug/l	96
55) 1,1,2-Trichloroethane	8.66	97	192848	47.711	ug/l	96
56) Ethyl methacrylate	8.78	69	224591	50.697	ug/l	97
57) 1,3-Dichloropropane	9.01	76	327045	49.023	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.48	63	320548	231.255	ug/l	92
59) 2-Hexanone	9.64	43	576137	258.995	ug/l	98
60) Dibromochloromethane	8.89	129	251898	49.050	ug/l	97
61) 1,2-Dibromoethane	9.15	107	203066	50.091	ug/l	99
64) Tetrachloroethene	8.32	164	238881	43.892	ug/l	96
65) Chlorobenzene	9.95	112	662276	46.252	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.08	131	284042	48.296	ug/l	96
67) Ethyl Benzene	10.05	91	1179306	46.356	ug/l	99
68) m/p-Xylenes	10.28	106	867058	96.159	ug/l	98
69) o-Xylene	10.84	106	461713	48.812	ug/l	98
70) Styrene	10.91	104	664461	46.230	ug/l	98
71) Bromoform	10.90	173	135523	48.940	ug/l	99
73) Isopropylbenzene	11.23	105	1277947	48.038	ug/l	98
74) N-amyl acetate	11.46	43	331264	51.284	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	259636	47.640	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	162356	46.469	ug/l	92
77) Bromobenzene	11.60	156	290129	48.260	ug/l	85
78) n-propylbenzene	11.69	91	1468416	46.407	ug/l	99
79) 2-Chlorotoluene	11.81	91	812301	46.516	ug/l	90
80) 1,3,5-Trimethylbenzene	11.91	105	998485	47.949	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.95	75	70196m	47.137	ug/l	
82) 4-Chlorotoluene	11.98	91	800237	46.866	ug/l	98
83) tert-Butylbenzene	12.21	119	1039569	47.725	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	978643	47.842	ug/l	96
85) sec-Butylbenzene	12.39	105	1396884	47.234	ug/l	95
86) p-Isopropyltoluene	12.53	119	1168870	48.015	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	539951	45.921	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	517477	46.915	ug/l	96
89) n-Butylbenzene	12.91	91	1174272	47.388	ug/l	98
90) Hexachloroethane	12.99	117	292766	46.950	ug/l	80
91) 1,2-Dichlorobenzene	13.01	146	504802	48.393	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	32887	49.126	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	361038	49.772	ug/l	99
94) Hexachlorobutadiene	14.24	225	251229	47.677	ug/l	98
95) Naphthalene	14.50	128	633730	53.676	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	334849	49.759	ug/l	99

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

