

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062166.D
 Acq On : 4 Apr 2019 19:59
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 05 05:22:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	226126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	354914	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	285988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.53	152	147681	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.81	65	24081	12.93	ug/l	-0.01
Spiked Amount			Recovery	=	25.86%	
35) Dibromofluoromethane	4.09	113	24633	10.07	ug/l	0.00
Spiked Amount			Recovery	=	20.14%	
50) Toluene-d8	7.52	98	76124	10.50	ug/l	-0.01
Spiked Amount			Recovery	=	21.00%	
62) 4-Bromofluorobenzene	11.39	95	32158	11.39	ug/l	0.00
Spiked Amount			Recovery	=	22.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	34556	11.734	ug/l	85
3) Chloromethane	1.08	50	27829	9.352	ug/l #	88
4) Vinyl Chloride	1.14	62	23486	8.473	ug/l #	82
5) Bromomethane	1.32	94	18454	9.122	ug/l	98
6) Chloroethane	1.39	64	14670	10.321	ug/l #	83
7) Trichlorofluoromethane	1.47	101	36732m	10.609	ug/l	
8) Diethyl Ether	1.62	74	8606	11.196	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	1.82	101	26093	11.345	ug/l #	75
10) Methyl Iodide	1.89	142	42007m	9.641	ug/l	
11) Tert butyl alcohol	2.57	59	6301	65.874	ug/l #	15
12) 1,1-Dichloroethene	1.79	96	20721	9.512	ug/l #	72
13) Acrolein	1.99	56	6971	61.761	ug/l	97
14) Allyl chloride	2.09	41	33341	13.702	ug/l	96
15) Acrylonitrile	2.92	53	17995	55.232	ug/l #	92
16) Acetone	2.22	43	20662	54.043	ug/l	96
17) Carbon Disulfide	1.82	76	70843	10.632	ug/l	97
18) Methyl Acetate	2.33	43	11016	12.517	ug/l #	92
19) Methyl tert-butyl Ether	2.42	73	41292	11.607	ug/l #	89
20) Methylene Chloride	2.16	84	30237m	12.242	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	18494	8.750	ug/l	93
22) Diisopropyl ether	2.79	45	64735	10.360	ug/l	93
23) Vinyl Acetate	3.17	43	150345	57.613	ug/l	99
24) 1,1-Dichloroethane	2.85	63	37472	10.012	ug/l #	91
25) 2-Butanone	4.31	43	38795	51.321	ug/l	93
26) 2,2-Dichloropropane	3.57	77	20497	12.925	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	24944	8.924	ug/l	92
28) Bromochloromethane	3.70	49	20544	13.076	ug/l	99
29) Tetrahydrofuran	4.05	42	21007	64.137	ug/l	94
30) Chloroform	3.84	83	47230	11.695	ug/l	96
31) Cyclohexane	3.67	56	40067m	10.467	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	29157	11.283	ug/l #	88
36) 1,1-Dichloropropene	4.25	75	37394	10.817	ug/l #	82
37) Ethyl Acetate	4.09	43	19582	13.043	ug/l #	78
38) Carbon Tetrachloride	3.96	117	31061	12.912	ug/l #	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.43	83	36756	9.571	ug/l #	83
40) Benzene	4.60	78	79305	8.867	ug/l	99
41) Methacrylonitrile	4.73	41	11482	14.388	ug/l #	84
42) 1,2-Dichloroethane	4.91	62	32076	13.994	ug/l	96
43) Isopropyl Acetate	6.94	43	21167	11.844	ug/l #	84
44) Trichloroethene	5.47	130	25263	9.213	ug/l	77
45) 1,2-Dichloropropane	6.20	63	19961	9.286	ug/l	91
46) Dibromomethane	6.06	93	13229	9.945	ug/l	92
47) Bromodichloromethane	6.35	83	37223	12.236	ug/l #	83
48) Methyl methacrylate	6.70	41	14457	13.435	ug/l #	86
49) 1,4-Dioxane	6.69	88	1449	166.410	ug/l #	32
51) 4-Methyl-2-Pentanone	8.23	43	74382	60.759	ug/l	98
52) Toluene	7.59	92	50090	9.496	ug/l	90
53) t-1,3-Dichloropropene	8.25	75	26766	11.114	ug/l	92
54) cis-1,3-Dichloropropene	7.28	75	34524	10.359	ug/l	99
55) 1,1,2-Trichloroethane	8.46	97	14882	10.047	ug/l #	84
56) Ethyl methacrylate	8.60	69	20784	11.533	ug/l	94
57) 1,3-Dichloropropane	8.83	76	23888	9.723	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	13516	49.946	ug/l #	84
59) 2-Hexanone	9.46	43	55781	62.593	ug/l	93
60) Dibromochloromethane	8.69	129	20243	9.700	ug/l	98
61) 1,2-Dibromoethane	8.96	107	16548	10.483	ug/l	88
64) Tetrachloroethene	8.12	164	20536	9.323	ug/l	92
65) Chlorobenzene	9.77	112	53529	9.914	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	9.91	131	21879	9.929	ug/l	89
67) Ethyl Benzene	9.88	91	105536	10.987	ug/l	92
68) m/p-Xylenes	10.10	106	75765	21.198	ug/l	95
69) o-Xylene	10.68	106	37927	10.360	ug/l	85
70) Styrene	10.76	104	60423	10.691	ug/l	97
71) Bromoform	10.75	173	12827	11.337	ug/l	82
73) Isopropylbenzene	11.11	105	110956	10.509	ug/l	98
74) N-amyl acetate	11.35	43	34274	13.380	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.68	83	19473	10.974	ug/l	94
76) 1,2,3-Trichloropropane	11.78	75	15182	11.755	ug/l	90
77) Bromobenzene	11.48	156	22459	8.828	ug/l	76
78) n-propylbenzene	11.57	91	128520	10.355	ug/l	93
79) 2-Chlorotoluene	11.70	91	73832	10.733	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	95883	10.862	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.85	75	6116m	11.543	ug/l	
82) 4-Chlorotoluene	11.87	91	77231	10.815	ug/l	94
83) tert-Butylbenzene	12.11	119	99589	10.878	ug/l	99
84) 1,2,4-Trimethylbenzene	12.18	105	96201	11.143	ug/l	90
85) sec-Butylbenzene	12.29	105	116936	9.915	ug/l	100
86) p-Isopropyltoluene	12.45	119	105477	10.147	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	46410	9.667	ug/l	98
88) 1,4-Dichlorobenzene	12.54	146	48800	10.549	ug/l	99
89) n-Butylbenzene	12.83	91	103756	10.523	ug/l	99
90) Hexachloroethane	12.90	117	25633	10.563	ug/l	88
91) 1,2-Dichlorobenzene	12.92	146	45788	10.295	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.63	75	4251	15.059	ug/l	82

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93) 1,2,4-Trichlorobenzene	14.18	180	31512	10.059	ug/l	87
94) Hexachlorobutadiene	14.17	225	19603	9.473	ug/l	97
95) Naphthalene	14.44	128	50363	9.397	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.58	180	27142	9.449	ug/l	98

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

