

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062518\
 Data File : VF059303.D
 Acq On : 25 Jun 2018 15:46
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 6/26/2018 10:03:14 AM

Quant Time: Jun 26 08:09:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 07:57:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	288779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	443823	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	442774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	272200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	73962	18.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.34%	
35) Dibromofluoromethane	4.28	113	68689	18.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.68%	
50) Toluene-d8	7.70	98	163947	17.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.52%	
62) 4-Bromofluorobenzene	11.50	95	100241	19.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	53352	16.36	ug/l	96
3) Chloromethane	1.08	50	31503	15.32	ug/l	99
4) Vinyl Chloride	1.14	62	33073	16.25	ug/l	97
5) Bromomethane	1.33	94	24107	17.37	ug/l	91
6) Chloroethane	1.42	64	17983	18.05	ug/l #	78
7) Trichlorofluoromethane	1.48	101	68872m	17.29	ug/l	
8) Diethyl Ether	1.69	74	15448	16.74	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.89	101	42156	18.72	ug/l	97
10) Methyl Iodide	1.96	142	68059	16.48	ug/l	93
11) Tert butyl alcohol	2.68	59	18741	75.78	ug/l #	92
12) 1,1-Dichloroethene	1.84	96	33927	16.83	ug/l #	91
13) Acrolein	2.08	56	13945	70.73	ug/l	84
14) Allyl chloride	2.18	41	61736	16.55	ug/l	97
15) Acrylonitrile	3.06	53	37294	72.90	ug/l	92
16) Acetone	2.32	43	88084	88.66	ug/l	98
17) Carbon Disulfide	1.83	76	72121	14.86	ug/l #	91
18) Methyl Acetate	2.43	43	27456	14.66	ug/l	92
19) Methyl tert-butyl Ether	2.53	73	118770	17.50	ug/l	100
20) Methylene Chloride	2.27	84	49864m	23.02	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	34116	16.46	ug/l	96
22) Diisopropyl ether	2.92	45	134835	17.39	ug/l	99
23) Vinyl Acetate	3.32	43	445326	89.65	ug/l	98
24) 1,1-Dichloroethane	2.98	63	83171	16.61	ug/l	98
25) 2-Butanone	4.49	43	104929	80.91	ug/l	99
26) 2,2-Dichloropropane	3.75	77	61487	17.72	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	52002	16.47	ug/l	92
28) Bromochloromethane	3.87	49	40865	19.53	ug/l	89
29) Tetrahydrofuran	4.25	42	46389	79.82	ug/l	97
30) Chloroform	4.02	83	123133	17.01	ug/l	97
31) Cyclohexane	3.86	56	55850	16.46	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	95634	17.62	ug/l	97
36) 1,1-Dichloropropene	4.44	75	78669	17.51	ug/l	99
37) Ethyl Acetate	4.28	43	49068	16.61	ug/l #	83
38) Carbon Tetrachloride	4.15	117	100594	18.15	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	70664	17.49	ug/l	92
40) Benzene	4.80	78	167840	17.46	ug/l	95
41) Methacrylonitrile	4.91	41	24429	17.37	ug/l #	92
42) 1,2-Dichloroethane	5.10	62	97546	17.67	ug/l	99
43) Isopropyl Acetate	7.11	43	55063	15.49	ug/l #	99
44) Trichloroethene	5.66	130	60046	18.17	ug/l	97
45) 1,2-Dichloropropane	6.40	63	48827	17.52	ug/l	98
46) Dibromomethane	6.24	93	39974	16.72	ug/l	95
47) Bromodichloromethane	6.53	83	99194	17.40	ug/l	92
48) Methyl methacrylate	6.86	41	37419	16.44	ug/l	92
49) 1,4-Dioxane	6.85	88	4239	317.91	ug/l #	86
51) 4-Methyl-2-Pentanone	8.39	43	213188	83.06	ug/l	97
52) Toluene	7.77	92	124126	16.70	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	92085	17.29	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	98260	17.35	ug/l	93
55) 1,1,2-Trichloroethane	8.62	97	47505	16.54	ug/l	92
56) Ethyl methacrylate	8.75	69	53574	16.23	ug/l	96
57) 1,3-Dichloropropane	8.99	76	79317	16.69	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	23716	90.39	ug/l	100
59) 2-Hexanone	9.62	43	183404	89.32	ug/l	100
60) Dibromochloromethane	8.85	129	73869	17.38	ug/l	99
61) 1,2-Dibromoethane	9.13	107	54534	16.36	ug/l	98
64) Tetrachloroethene	8.29	164	56288	17.05	ug/l	89
65) Chlorobenzene	9.92	112	161914	17.70	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	69131	17.93	ug/l	95
67) Ethyl Benzene	10.02	91	285399	18.40	ug/l	94
68) m/p-Xylenes	10.26	106	197050	35.56	ug/l	95
69) o-Xylene	10.82	106	115978	18.89	ug/l	93
70) Styrene	10.89	104	170976	18.33	ug/l	99
71) Bromoform	10.88	173	45727	16.70	ug/l #	95
73) Isopropylbenzene	11.22	105	325117	17.91	ug/l	98
74) N-amyl acetate	11.45	43	107422	17.74	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	75221	17.30	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	57232	18.01	ug/l	96
77) Bromobenzene	11.58	156	87693	17.83	ug/l	97
78) n-propylbenzene	11.68	91	397763	18.61	ug/l	96
79) 2-Chlorotoluene	11.81	91	239930	18.65	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	288701	18.83	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	32663	16.26	ug/l	92
82) 4-Chlorotoluene	11.98	91	254620	18.32	ug/l	96
83) tert-Butylbenzene	12.21	119	292926	18.92	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	301649	18.60	ug/l	96
85) sec-Butylbenzene	12.38	105	383630	18.45	ug/l	98
86) p-Isopropyltoluene	12.53	119	325303	19.07	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	163232	18.49	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	157705	18.14	ug/l	98
89) n-Butylbenzene	12.91	91	341987	19.73	ug/l	96
90) Hexachloroethane	12.99	117	83215	19.37	ug/l	93
91) 1,2-Dichlorobenzene	13.01	146	160746	18.16	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	15332	16.33	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	118051	18.39	ug/l	98
94) Hexachlorobutadiene	14.25	225	70449	18.76	ug/l	95
95) Naphthalene	14.52	128	230478	17.42	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	109669	18.17	ug/l	92

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

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