

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102518\
 Data File : VF060507.D
 Acq On : 25 Oct 2018 15:05
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:27:42 AM

Quant Time: Oct 26 00:44:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 00:30:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	173284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	255028	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	228227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	149915	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	64369	24.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.98%	
35) Dibromofluoromethane	4.29	113	61534	26.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.42%	
50) Toluene-d8	7.70	98	120325	21.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.66%	
62) 4-Bromofluorobenzene	11.51	95	67310	27.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	109614	32.192	ug/l	86
3) Chloromethane	1.14	50	46809	22.220	ug/l	99
4) Vinyl Chloride	1.19	62	52896	23.149	ug/l	97
5) Bromomethane	1.35	94	52589	29.265	ug/l	95
6) Chloroethane	1.42	64	33677	27.881	ug/l #	85
7) Trichlorofluoromethane	1.54	101	163323	31.889	ug/l	99
8) Diethyl Ether	1.70	74	13855	18.906	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.89	101	72341	28.236	ug/l	92
10) Methyl Iodide	1.97	142	94743	23.324	ug/l	94
11) Tert butyl alcohol	2.69	59	16325	118.555	ug/l #	84
12) 1,1-Dichloroethene	1.86	96	49599	23.176	ug/l #	68
13) Acrolein	2.08	56	16115	188.868	ug/l	95
14) Allyl chloride	2.18	41	81005	25.679	ug/l	89
15) Acrylonitrile	3.08	53	26473	91.320	ug/l	86
16) Acetone	2.33	43	90714	157.532	ug/l	95
17) Carbon Disulfide	1.88	76	140154	23.550	ug/l #	94
18) Methyl Acetate	2.45	43	22967	21.044	ug/l	93
19) Methyl tert-butyl Ether	2.54	73	124275	25.797	ug/l	98
20) Methylene Chloride	2.27	84	47834	23.929	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	49344	24.704	ug/l	97
22) Diisopropyl ether	2.92	45	138726	21.394	ug/l	98
23) Vinyl Acetate	3.33	43	242400	106.786	ug/l	100
24) 1,1-Dichloroethane	3.00	63	112263	25.798	ug/l	99
25) 2-Butanone	4.50	43	67250	107.284	ug/l	95
26) 2,2-Dichloropropane	3.76	77	72068	31.763	ug/l	90
27) cis-1,2-Dichloroethene	3.62	96	47823	20.511	ug/l	90
28) Bromochloromethane	3.89	49	30903	20.446	ug/l #	79
29) Tetrahydrofuran	4.25	42	21068	79.730	ug/l	99
30) Chloroform	4.04	83	129114	25.639	ug/l	90
31) Cyclohexane	3.86	56	55244	19.844	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	119521	30.127	ug/l	92
36) 1,1-Dichloropropene	4.45	75	77944	26.275	ug/l	96
37) Ethyl Acetate	4.29	43	26279	25.080	ug/l	77
38) Carbon Tetrachloride	4.17	117	124264m	41.702	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	61579	22.047	ug/l	85
40) Benzene	4.81	78	124988	20.521	ug/l	92
41) Methacrylonitrile	4.92	41	13270	22.290	ug/l #	79
42) 1,2-Dichloroethane	5.11	62	84456	30.566	ug/l	97
43) Isopropyl Acetate	7.11	43	27223	20.845	ug/l	98
44) Trichloroethene	5.67	130	44676	23.546	ug/l	95
45) 1,2-Dichloropropane	6.40	63	34052	22.839	ug/l	92
46) Dibromomethane	6.24	93	28956	24.211	ug/l	98
47) Bromodichloromethane	6.55	83	86734	28.715	ug/l #	93
48) Methyl methacrylate	6.87	41	20164	22.793	ug/l	85
49) 1,4-Dioxane	6.86	88	3745	492.423	ug/l #	59
51) 4-Methyl-2-Pentanone	8.40	43	101842	111.791	ug/l	99
52) Toluene	7.78	92	87231	22.741	ug/l	85
53) t-1,3-Dichloropropene	8.42	75	64480	27.487	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	65185	23.858	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	27341	23.192	ug/l	97
56) Ethyl methacrylate	8.76	69	26981	19.781	ug/l	94
57) 1,3-Dichloropropane	9.00	76	47596	23.447	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.77	63	19253	138.904	ug/l	100
59) 2-Hexanone	9.62	43	77467	117.559	ug/l	96
60) Dibromochloromethane	8.87	129	50798	27.451	ug/l	90
61) 1,2-Dibromoethane	9.13	107	29890	22.440	ug/l	97
64) Tetrachloroethene	8.30	164	41950	23.191	ug/l	88
65) Chlorobenzene	9.94	112	98440	22.210	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	50676	25.382	ug/l	93
67) Ethyl Benzene	10.04	91	209370	25.037	ug/l	94
68) m/p-Xylenes	10.27	106	131375	46.022	ug/l	86
69) o-Xylene	10.83	106	73933	23.816	ug/l	98
70) Styrene	10.91	104	103502	23.162	ug/l	99
71) Bromoform	10.89	173	27353	27.023	ug/l	97
73) Isopropylbenzene	11.22	105	266854	23.947	ug/l	95
74) N-amyl acetate	11.47	43	43925	18.109	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	34601	18.473	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	31295	21.613	ug/l	95
77) Bromobenzene	11.60	156	54894	22.167	ug/l	96
78) n-propylbenzene	11.68	91	308374	23.235	ug/l	97
79) 2-Chlorotoluene	11.81	91	185051	23.817	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	221028	23.643	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	10436	16.531	ug/l #	88
82) 4-Chlorotoluene	11.99	91	194272	24.235	ug/l	98
83) tert-Butylbenzene	12.22	119	228238	24.286	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	228309	24.054	ug/l	99
85) sec-Butylbenzene	12.38	105	314247	24.655	ug/l	98
86) p-Isopropyltoluene	12.54	119	261796	25.020	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	109319	23.175	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	98207	21.468	ug/l	92
89) n-Butylbenzene	12.92	91	283156	25.861	ug/l	97
90) Hexachloroethane	13.00	117	66495	26.576	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	102512	22.576	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	8916	22.427	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	81258	23.172	ug/l	97
94) Hexachlorobutadiene	14.26	225	61568	25.825	ug/l	100
95) Naphthalene	14.52	128	120960	20.066	ug/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	68538	20.979	ug/l	95

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

