

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059634.D
 Acq On : 24 Jul 2018 16:07
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:01:52 PM

Quant Time: Jul 25 01:03:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	241547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	339180	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	309546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	213241	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	18134	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
35) Dibromofluoromethane	4.27	113	16007	5.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.32%	
50) Toluene-d8	7.70	98	37590	4.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.68%	
62) 4-Bromofluorobenzene	11.50	95	19503	4.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	17262	5.808	ug/l	90
3) Chloromethane	1.08	50	9799	6.983	ug/l	92
4) Vinyl Chloride	1.15	62	8986	5.825	ug/l	94
5) Bromomethane	1.33	94	7759	5.898	ug/l	90
6) Chloroethane	1.42	64	5636	5.984	ug/l	88
7) Trichlorofluoromethane	1.48	101	23435m	5.619	ug/l	
8) Diethyl Ether	1.69	74	3461	5.866	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.88	101	13712	6.399	ug/l	86
10) Methyl Iodide	1.94	142	20636	5.848	ug/l #	92
11) Tert butyl alcohol	2.67	59	3667	24.533	ug/l	94
12) 1,1-Dichloroethene	1.83	96	11356	6.787	ug/l #	62
13) Acrolein	2.08	56	1719	23.427	ug/l	83
14) Allyl chloride	2.18	41	14567	4.811	ug/l	86
15) Acrylonitrile	3.06	53	5873	25.442	ug/l	93
16) Acetone	2.33	43	16779	26.812	ug/l	94
17) Carbon Disulfide	1.83	76	27040	6.217	ug/l	97
18) Methyl Acetate	2.44	43	6300	5.934	ug/l #	91
19) Methyl tert-butyl Ether	2.53	73	25030	5.166	ug/l #	79
20) Methylene Chloride	2.26	84	11293	5.965	ug/l	88
21) trans-1,2-Dichloroethene	2.40	96	10947	6.305	ug/l	79
22) Diisopropyl ether	2.92	45	31293	5.653	ug/l	98
23) Vinyl Acetate	3.32	43	61103	22.149	ug/l	97
24) 1,1-Dichloroethane	2.98	63	22325	5.599	ug/l	99
25) 2-Butanone	4.49	43	19984	30.589	ug/l	97
26) 2,2-Dichloropropane	3.73	77	19175	5.776	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	12093	6.070	ug/l	94
28) Bromochloromethane	3.87	49	8576	5.852	ug/l	94
29) Tetrahydrofuran	4.25	42	8281	31.112	ug/l	92
30) Chloroform	4.02	83	30021	5.454	ug/l	91
31) Cyclohexane	3.85	56	12717	5.689	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	26995	5.483	ug/l	93
36) 1,1-Dichloropropene	4.44	75	18159	5.324	ug/l	99
37) Ethyl Acetate	4.27	43	9127	6.800	ug/l #	58
38) Carbon Tetrachloride	4.15	117	26442	5.122	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	15165	5.512	ug/l	87
40) Benzene	4.80	78	36555	5.862	ug/l	90
41) Methacrylonitrile	4.92	41	3414	5.150	ug/l #	85
42) 1,2-Dichloroethane	5.10	62	21098	5.114	ug/l	97
43) Isopropyl Acetate	7.10	43	9040	5.408	ug/l #	76
44) Trichloroethene	5.66	130	12786	5.374	ug/l	59
45) 1,2-Dichloropropane	6.38	63	8291	4.973	ug/l	91
46) Dibromomethane	6.24	93	7367	5.435	ug/l	86
47) Bromodichloromethane	6.53	83	22381	5.392	ug/l	97
48) Methyl methacrylate	6.86	41	5445	4.279	ug/l #	89
49) 1,4-Dioxane	6.86	88	924	103.287	ug/l #	48
51) 4-Methyl-2-Pentanone	8.40	43	31381	25.097	ug/l #	87
52) Toluene	7.76	92	28339	6.009	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	18022	5.188	ug/l	98
54) cis-1,3-Dichloropropene	7.44	75	18627	5.382	ug/l #	92
55) 1,1,2-Trichloroethane	8.63	97	7695	4.919	ug/l	91
56) Ethyl methacrylate	8.74	69	7887	4.548	ug/l #	76
57) 1,3-Dichloropropane	8.99	76	12737	4.659	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.76	63	5588	27.146	ug/l	100
59) 2-Hexanone	9.62	43	23889	24.048	ug/l	95
60) Dibromochloromethane	8.85	129	13933	4.960	ug/l	98
61) 1,2-Dibromoethane	9.12	107	9986	5.546	ug/l	88
64) Tetrachloroethene	8.29	164	15072	6.503	ug/l	96
65) Chlorobenzene	9.92	112	32845	5.820	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.06	131	16401	6.379	ug/l	96
67) Ethyl Benzene	10.02	91	59520	5.823	ug/l	91
68) m/p-Xylenes	10.26	106	42296	11.928	ug/l	98
69) o-Xylene	10.82	106	21780	5.696	ug/l	94
70) Styrene	10.89	104	31454	5.521	ug/l	96
71) Bromoform	10.88	173	7548	4.782	ug/l	78
73) Isopropylbenzene	11.22	105	71677	5.302	ug/l	99
74) N-amyl acetate	11.45	43	15339	5.166	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	10764	4.817	ug/l #	89
76) 1,2,3-Trichloropropane	11.88	75	8625	4.407	ug/l	89
77) Bromobenzene	11.59	156	17968	5.211	ug/l	95
78) n-propylbenzene	11.68	91	91326	5.663	ug/l	99
79) 2-Chlorotoluene	11.81	91	54556	5.626	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	64594	5.324	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	5562	6.865	ug/l	94
82) 4-Chlorotoluene	11.98	91	57897	5.387	ug/l	97
83) tert-Butylbenzene	12.21	119	67446	5.629	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	66987	5.451	ug/l	99
85) sec-Butylbenzene	12.38	105	91741	5.897	ug/l	96
86) p-Isopropyltoluene	12.53	119	76785	5.639	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	40345	6.024	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	38943	6.238	ug/l	94
89) n-Butylbenzene	12.91	91	79749	6.096	ug/l	94
90) Hexachloroethane	12.99	117	18224	5.361	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	36742	5.831	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	3022	5.558	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	28555	6.065	ug/l	89
94) Hexachlorobutadiene	14.25	225	19715	5.999	ug/l	92
95) Naphthalene	14.52	128	38394	5.059	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	22515	5.274	ug/l	93

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

