

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111318\
 Data File : VF060707.D
 Acq On : 13 Nov 2018 11:38
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

sam
 11/14/2018 9:32:47 AM

Quant Time: Nov 14 02:50:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 02:40:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	265332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	431691	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.79	117	396016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	224794	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	16573	5.48	ug/l	0.00
Spiked Amount			Recovery	=	10.96%	
35) Dibromofluoromethane	4.12	113	18457	5.69	ug/l	0.00
Spiked Amount			Recovery	=	11.38%	
50) Toluene-d8	7.57	98	55828	5.96	ug/l	0.00
Spiked Amount			Recovery	=	11.92%	
62) 4-Bromofluorobenzene	11.42	95	27653	6.31	ug/l	0.00
Spiked Amount			Recovery	=	12.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	20631	4.345	ug/l	95
3) Chloromethane	1.10	50	13634	4.630	ug/l	95
4) Vinyl Chloride	1.14	62	13515	5.130	ug/l #	82
5) Bromomethane	1.33	94	7398	4.421	ug/l	96
6) Chloroethane	1.37	64	4560	4.424	ug/l #	73
7) Trichlorofluoromethane	1.50	101	25728m	4.414	ug/l	
8) Diethyl Ether	1.64	74	3481	4.664	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	12119	4.415	ug/l #	86
10) Methyl Iodide	1.89	142	20578	4.873	ug/l	98
11) Tert butyl alcohol	2.58	59	3017	21.904	ug/l #	34
12) 1,1-Dichloroethene	1.79	96	10913	5.041	ug/l #	91
13) Acrolein	2.00	56	2928	23.250	ug/l	83
14) Allyl chloride	2.10	41	16402	4.325	ug/l	95
15) Acrylonitrile	2.95	53	7266	24.757	ug/l #	92
16) Acetone	2.24	43	15004	23.195	ug/l	100
17) Carbon Disulfide	1.83	76	30486	4.663	ug/l	98
18) Methyl Acetate	2.36	43	5455	4.727	ug/l #	87
19) Methyl tert-butyl Ether	2.44	73	26056	5.017	ug/l #	92
20) Methylene Chloride	2.19	84	16111m	6.585	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	10353	4.578	ug/l	94
22) Diisopropyl ether	2.80	45	34249	4.678	ug/l #	88
23) Vinyl Acetate	3.20	43	73286	21.257	ug/l	99
24) 1,1-Dichloroethane	2.88	63	20741	4.679	ug/l	99
25) 2-Butanone	4.34	43	26117	24.546	ug/l #	90
26) 2,2-Dichloropropane	3.61	77	17192	4.929	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	18889	4.910	ug/l	94
28) Bromochloromethane	3.73	49	13408	5.821	ug/l	95
29) Tetrahydrofuran	4.08	42	10824	24.663	ug/l	99
30) Chloroform	3.87	83	36241	5.096	ug/l	97
31) Cyclohexane	3.71	56	28106	5.224	ug/l	97
32) 1,1,1-Trichloroethane	4.11	97	27293	4.873	ug/l	88
36) 1,1-Dichloropropene	4.29	75	25701	5.133	ug/l	95
37) Ethyl Acetate	4.12	43	9600	5.158	ug/l #	80
38) Carbon Tetrachloride	4.01	117	24111	4.963	ug/l	91

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

39) Methylcyclohexane	5.47	83	30729	5.290	ug/l	97
40) Benzene	4.65	78	59772	5.356	ug/l	94
41) Methacrylonitrile	4.77	41	5703	5.058	ug/l #	87
42) 1,2-Dichloroethane	4.94	62	19191	4.976	ug/l	91
43) Isopropyl Acetate	6.97	43	12704	5.148	ug/l #	96
44) Trichloroethene	5.51	130	19128	5.432	ug/l	90
45) 1,2-Dichloropropane	6.25	63	15784	5.435	ug/l #	89
46) Dibromomethane	6.10	93	9067	4.730	ug/l	87
47) Bromodichloromethane	6.39	83	24359	4.976	ug/l #	93
48) Methyl methacrylate	6.73	41	8669	5.308	ug/l	89
49) 1,4-Dioxane	6.75	88	1606	105.137	ug/l #	53
51) 4-Methyl-2-Pentanone	8.27	43	48829	27.357	ug/l	94
52) Toluene	7.64	92	42485	5.681	ug/l	95
53) t-1,3-Dichloropropene	8.29	75	20558	5.243	ug/l	91
54) cis-1,3-Dichloropropene	7.31	75	26110	5.127	ug/l	92
55) 1,1,2-Trichloroethane	8.50	97	11115	5.202	ug/l	94
56) Ethyl methacrylate	8.63	69	11887	4.898	ug/l #	92
57) 1,3-Dichloropropane	8.87	76	19243	5.196	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.64	63	5861	26.438	ug/l	100
59) 2-Hexanone	9.51	43	32375	25.810	ug/l	95
60) Dibromochloromethane	8.73	129	14481	4.755	ug/l	88
61) 1,2-Dibromoethane	9.00	107	11225	4.995	ug/l	99
64) Tetrachloroethene	8.16	164	16451	5.246	ug/l	93
65) Chlorobenzene	9.81	112	40533	5.072	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.93	131	16928	4.857	ug/l	94
67) Ethyl Benzene	9.91	91	79561	5.282	ug/l	97
68) m/p-Xylenes	10.14	106	56682	10.530	ug/l	81
69) o-Xylene	10.72	106	29389	4.856	ug/l	88
70) Styrene	10.80	104	45435	5.532	ug/l	96
71) Bromoform	10.78	173	7895	5.037	ug/l	94
73) Isopropylbenzene	11.14	105	92727	5.125	ug/l	95
74) N-amyl acetate	11.38	43	18776	4.558	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	15024	5.022	ug/l	96
76) 1,2,3-Trichloropropane	11.80	75	12885	5.799	ug/l	95
77) Bromobenzene	11.50	156	18593	4.937	ug/l	85
78) n-propylbenzene	11.60	91	117722	5.578	ug/l	96
79) 2-Chlorotoluene	11.73	91	65203	5.316	ug/l	94
80) 1,3,5-Trimethylbenzene	11.83	105	78629	5.474	ug/l	89
81) trans-1,4-Dichloro-2-buten	11.88	75	5384m	5.051	ug/l	
82) 4-Chlorotoluene	11.91	91	67621	5.382	ug/l	100
83) tert-Butylbenzene	12.14	119	79860	5.236	ug/l	92
84) 1,2,4-Trimethylbenzene	12.21	105	83005	5.587	ug/l	93
85) sec-Butylbenzene	12.31	105	110620	5.346	ug/l	95
86) p-Isopropyltoluene	12.47	119	90526	5.239	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	39775	5.307	ug/l	95
88) 1,4-Dichlorobenzene	12.58	146	37325	5.181	ug/l	97
89) n-Butylbenzene	12.85	91	93353	5.294	ug/l	94
90) Hexachloroethane	12.92	117	19754	4.674	ug/l	94
91) 1,2-Dichlorobenzene	12.95	146	38031	5.389	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	2858	5.083	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	25763	5.079	ug/l	94
94) Hexachlorobutadiene	14.20	225	15622	4.713	ug/l	97
95) Naphthalene	14.46	128	40067	4.329	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	22705	4.844	ug/l	96

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

