

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090419\
 Data File : VX012069.D
 Acq On : 05 Sep 2019 00:06
 Operator : SY/SP
 Sample : VX0904SBS02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0904SBS02

Manual Integrations
 APPROVED

sam
 9/5/2019 2:56:01 PM

Quant Time: Sep 05 05:59:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	115807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	222082	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	209772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	94897	59.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.78%	
35) Dibromofluoromethane	5.48	113	73222	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
50) Toluene-d8	8.71	98	269907	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
62) 4-Bromofluorobenzene	11.14	95	119548	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	19439	18.203	ug/l	99
3) Chloromethane	1.31	50	21284	19.461	ug/l	96
4) Vinyl Chloride	1.39	62	19687	19.132	ug/l	99
5) Bromomethane	1.62	94	10872	21.299	ug/l	95
6) Chloroethane	1.70	64	12765	19.955	ug/l	95
7) Trichlorofluoromethane	1.91	101	30236	18.919	ug/l	96
8) Diethyl Ether	2.17	74	12128	21.959	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.36	101	22098	18.668	ug/l #	83
10) Methyl Iodide	2.50	142	13560	16.721	ug/l	95
11) Tert butyl alcohol	3.03	59	18869	122.942	ug/l	95
12) 1,1-Dichloroethene	2.36	96	21609	18.950	ug/l	93
13) Acrolein	2.28	56	4301	88.565	ug/l	92
14) Allyl chloride	2.71	41	42643	20.666	ug/l	99
15) Acrylonitrile	3.13	53	39286	113.197	ug/l	97
16) Acetone	2.43	43	36403	95.312	ug/l	98
17) Carbon Disulfide	2.55	76	55512	16.657	ug/l	99
18) Methyl Acetate	2.76	43	26721	29.699	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	86414	23.277	ug/l	97
20) Methylene Chloride	2.84	84	31811	20.741	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	26850	20.065	ug/l	91
22) Diisopropyl ether	3.84	45	95692	22.753	ug/l	98
23) Vinyl Acetate	3.79	43	274970	101.067	ug/l	98
24) 1,1-Dichloroethane	3.69	63	53048	21.748	ug/l	99
25) 2-Butanone	4.66	43	54381	111.855	ug/l	93
26) 2,2-Dichloropropane	4.56	77	38884	17.266	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	33067	21.081	ug/l	93
28) Bromochloromethane	5.00	49	23609	24.247	ug/l #	80
29) Tetrahydrofuran	5.12	42	33752	115.226	ug/l	99
30) Chloroform	5.20	83	57099	21.816	ug/l	99
31) Cyclohexane	5.57	56	36074	18.414	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	46972	20.606	ug/l	96
36) 1,1-Dichloropropene	5.78	75	35170	17.981	ug/l	96
37) Ethyl Acetate	4.82	43	23330	21.934	ug/l	97
38) Carbon Tetrachloride	5.77	117	38794	18.822	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	38033	16.753	ug/l	95
40) Benzene	6.13	78	111885	19.925	ug/l	97
41) Methacrylonitrile	5.02	41	14093	22.218	ug/l	97
42) 1,2-Dichloroethane	6.18	62	44425	21.985	ug/l	98
43) Isopropyl Acetate	6.43	43	47941	22.167	ug/l	98
44) Trichloroethene	7.20	130	29779	19.662	ug/l	95
45) 1,2-Dichloropropane	7.51	63	30151	20.783	ug/l	96
46) Dibromomethane	7.65	93	18074	21.341	ug/l #	72
47) Bromodichloromethane	7.89	83	45730	21.243	ug/l	99
48) Methyl methacrylate	7.76	41	23719	21.812	ug/l	97
49) 1,4-Dioxane	7.73	88	6820	460.058	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	123275	112.063	ug/l	99
52) Toluene	8.78	92	72776	19.919	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	44169	19.818	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	48970	19.759	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	26210	21.647	ug/l	97
56) Ethyl methacrylate	9.17	69	36529	21.062	ug/l	94
57) 1,3-Dichloropropane	9.37	76	44351	21.227	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	90731	116.040	ug/l	94
59) 2-Hexanone	9.48	43	87309	108.771	ug/l	98
60) Dibromochloromethane	9.57	129	30452	21.103	ug/l	97
61) 1,2-Dibromoethane	9.67	107	24930	21.308	ug/l	98
64) Tetrachloroethene	9.33	164	27677	21.163	ug/l #	85
65) Chlorobenzene	10.14	112	80775	19.516	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	30958	20.456	ug/l	98
67) Ethyl Benzene	10.25	91	144300	19.127	ug/l	96
68) m/p-Xylenes	10.35	106	105496	37.952	ug/l	91
69) o-Xylene	10.70	106	52334	19.416	ug/l	90
70) Styrene	10.71	104	93049	19.875	ug/l	95
71) Bromoform	10.85	173	17245	20.746	ug/l #	97
73) Isopropylbenzene	11.01	105	139041	18.601	ug/l	96
74) N-amyl acetate	10.89	43	44155	19.979	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	32384	20.781	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	25210m	20.253	ug/l	
77) Bromobenzene	11.25	156	33250	19.889	ug/l #	68
78) n-propylbenzene	11.35	91	163933	18.153	ug/l	95
79) 2-Chlorotoluene	11.42	91	104516	19.104	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	122837	18.752	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	9052	17.192	ug/l	91
82) 4-Chlorotoluene	11.51	91	123665	18.965	ug/l	92
83) tert-Butylbenzene	11.77	119	115456	18.492	ug/l	87
84) 1,2,4-Trimethylbenzene	11.81	105	126281	18.757	ug/l	95
85) sec-Butylbenzene	11.94	105	139510	17.990	ug/l	93
86) p-Isopropyltoluene	12.06	119	126655	17.959	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	63966	19.095	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	64377	19.220	ug/l	91
89) n-Butylbenzene	12.38	91	121188	17.689	ug/l	95
90) Hexachloroethane	12.59	117	25085	17.814	ug/l	55
91) 1,2-Dichlorobenzene	12.38	146	61690	20.448	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6750	20.700	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	39467	18.379	ug/l	96
94) Hexachlorobutadiene	13.78	225	19589	18.097	ug/l	96
95) Naphthalene	13.83	128	92320	19.864	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	36206	19.165	ug/l	95

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

