

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090319\
 Data File : VX012027.D
 Acq On : 03 Sep 2019 17:33
 Operator : SY/SP
 Sample : VX0903SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Manual Integrations
 APPROVED

sam
 9/4/2019 4:46:02 PM

Quant Time: Sep 04 04:13:04 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	145078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	268499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118418	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	100015	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	5.48	113	80312	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	8.71	98	302846	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.14	95	131404	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	25802	19.286	ug/l	97
3) Chloromethane	1.31	50	25293	18.460	ug/l	99
4) Vinyl Chloride	1.39	62	24149	18.734	ug/l	95
5) Bromomethane	1.62	94	12466	19.494	ug/l	98
6) Chloroethane	1.70	64	15337	19.139	ug/l	99
7) Trichlorofluoromethane	1.91	101	38375	19.167	ug/l	100
8) Diethyl Ether	2.17	74	15034	21.729	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28919	19.501	ug/l #	84
10) Methyl Iodide	2.50	142	18351	17.502	ug/l	94
11) Tert butyl alcohol	3.03	59	20125	104.669	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	27184	19.029	ug/l	91
13) Acrolein	2.28	56	8585	168.036	ug/l	93
14) Allyl chloride	2.71	41	51514	19.929	ug/l	99
15) Acrylonitrile	3.12	53	45434	104.499	ug/l	98
16) Acetone	2.43	43	45534	95.166	ug/l	99
17) Carbon Disulfide	2.55	76	69678	16.689	ug/l	100
18) Methyl Acetate	2.76	43	23337	20.704	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	97591	20.983	ug/l	99
20) Methylene Chloride	2.84	84	36612	19.055	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	32084	19.139	ug/l	92
22) Diisopropyl ether	3.84	45	110240	20.923	ug/l	97
23) Vinyl Acetate	3.80	43	353679	103.769	ug/l	98
24) 1,1-Dichloroethane	3.68	63	61387	20.089	ug/l	97
25) 2-Butanone	4.65	43	62453	102.540	ug/l	96
26) 2,2-Dichloropropane	4.57	77	55150	19.548	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	39660	20.182	ug/l	93
28) Bromochloromethane	5.00	49	25741	21.103	ug/l #	80
29) Tetrahydrofuran	5.11	42	38015	103.595	ug/l	98
30) Chloroform	5.20	83	67263	20.514	ug/l	95
31) Cyclohexane	5.56	56	46413	18.912	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	56991	19.957	ug/l	97
36) 1,1-Dichloropropene	5.78	75	43695	18.477	ug/l	94
37) Ethyl Acetate	4.82	43	26691	20.756	ug/l	97
38) Carbon Tetrachloride	5.77	117	47101	18.902	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	51044	18.598	ug/l	96
40) Benzene	6.13	78	133823	19.712	ug/l	97
41) Methacrylonitrile	5.03	41	16320	21.281	ug/l	96
42) 1,2-Dichloroethane	6.18	62	49673	20.332	ug/l	99
43) Isopropyl Acetate	6.43	43	54014	20.657	ug/l	98
44) Trichloroethene	7.20	130	35253	19.252	ug/l	81
45) 1,2-Dichloropropane	7.51	63	35310	20.131	ug/l	98
46) Dibromomethane	7.65	93	20791	20.305	ug/l #	73
47) Bromodichloromethane	7.89	83	53167	20.428	ug/l	97
48) Methyl methacrylate	7.76	41	26687	20.298	ug/l	97
49) 1,4-Dioxane	7.73	88	7587	423.320	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	138156	103.879	ug/l	99
52) Toluene	8.78	92	86468	19.575	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	53925	20.013	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	59791	19.954	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	30864	21.084	ug/l	98
56) Ethyl methacrylate	9.17	69	43168	20.587	ug/l	98
57) 1,3-Dichloropropane	9.37	76	52352	20.725	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	102041	107.943	ug/l	95
59) 2-Hexanone	9.49	43	100082	103.129	ug/l	99
60) Dibromochloromethane	9.57	129	35356	20.265	ug/l	98
61) 1,2-Dibromoethane	9.67	107	28710	20.297	ug/l	97
64) Tetrachloroethene	9.33	164	29318	18.989	ug/l #	83
65) Chlorobenzene	10.14	112	96272	19.702	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	36574	20.471	ug/l	97
67) Ethyl Benzene	10.25	91	174231	19.562	ug/l	96
68) m/p-Xylenes	10.35	106	127442	38.835	ug/l	91
69) o-Xylene	10.70	106	62028	19.493	ug/l	89
70) Styrene	10.71	104	108997	19.720	ug/l	95
71) Bromoform	10.85	173	19215	19.581	ug/l #	99
73) Isopropylbenzene	11.01	105	169749	19.537	ug/l	96
74) N-amyl acetate	10.89	43	52617	20.482	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	37271	20.577	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	32160m	22.227	ug/l	
77) Bromobenzene	11.25	156	38752	19.942	ug/l	69
78) n-propylbenzene	11.35	91	201453	19.192	ug/l	94
79) 2-Chlorotoluene	11.42	91	123631	19.441	ug/l	89
80) 1,3,5-Trimethylbenzene	11.50	105	148038	19.443	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	11980	19.575	ug/l	96
82) 4-Chlorotoluene	11.51	91	148139	19.545	ug/l	91
83) tert-Butylbenzene	11.77	119	142395	19.621	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	152524	19.490	ug/l	94
85) sec-Butylbenzene	11.94	105	176170	19.544	ug/l	93
86) p-Isopropyltoluene	12.06	119	158999	19.396	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	77897	20.005	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	76755	19.714	ug/l	93
89) n-Butylbenzene	12.39	91	156666	19.674	ug/l	96
90) Hexachloroethane	12.59	117	32291	19.728	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	71704	20.447	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7453	19.663	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	48690	19.507	µg/l	96
94) Hexachlorobutadiene	13.78	225	25008	19.876	µg/l	98
95) Naphthalene	13.83	128	109105	20.197	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	43326	19.730	µg/l	95

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

