

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090319\
 Data File : VX012026.D
 Acq On : 03 Sep 2019 17:06
 Operator : SY/SP
 Sample : VX0903SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Manual Integrations
 APPROVED

sam
 9/4/2019 4:45:58 PM

Quant Time: Sep 04 04:11:35 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	137202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	256119	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	115943	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	96276	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	5.48	113	78238	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	8.71	98	302121	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	11.14	95	130738	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	24850	19.641	ug/l	99
3) Chloromethane	1.31	50	24958	19.261	ug/l	97
4) Vinyl Chloride	1.39	62	22439	18.406	ug/l	98
5) Bromomethane	1.62	94	11520	19.049	ug/l	94
6) Chloroethane	1.70	64	14373	18.965	ug/l	96
7) Trichlorofluoromethane	1.91	101	35010	18.490	ug/l	97
8) Diethyl Ether	2.17	74	13198	20.170	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27094	19.319	ug/l #	82
10) Methyl Iodide	2.50	142	15754	16.533	ug/l	92
11) Tert butyl alcohol	3.03	59	19801	108.896	ug/l #	92
12) 1,1-Dichloroethene	2.36	96	25279	18.711	ug/l	92
13) Acrolein	2.28	56	6841	135.170	ug/l	93
14) Allyl chloride	2.72	41	47635	19.486	ug/l	99
15) Acrylonitrile	3.13	53	43006	104.593	ug/l	99
16) Acetone	2.43	43	43944	97.115	ug/l	99
17) Carbon Disulfide	2.55	76	65725	16.646	ug/l	100
18) Methyl Acetate	2.76	43	22555	21.159	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	90500	20.576	ug/l	99
20) Methylene Chloride	2.84	84	34751	19.125	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	29797	18.795	ug/l	94
22) Diisopropyl ether	3.84	45	101604	20.391	ug/l	94
23) Vinyl Acetate	3.80	43	324486	100.669	ug/l	100
24) 1,1-Dichloroethane	3.68	63	57344	19.843	ug/l	98
25) 2-Butanone	4.66	43	58711	101.930	ug/l	99
26) 2,2-Dichloropropane	4.56	77	52146	19.544	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	35896	19.316	ug/l	91
28) Bromochloromethane	5.00	49	23665	20.515	ug/l #	80
29) Tetrahydrofuran	5.12	42	35942	103.569	ug/l	99
30) Chloroform	5.20	83	61421	19.808	ug/l	100
31) Cyclohexane	5.56	56	42146	18.159	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	53550	19.828	ug/l	96
36) 1,1-Dichloropropene	5.79	75	40906	18.134	ug/l	97
37) Ethyl Acetate	4.82	43	24474	19.952	ug/l	98
38) Carbon Tetrachloride	5.77	117	44692	18.802	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	47547	18.161	ug/l	93
40) Benzene	6.13	78	125007	19.304	ug/l	99
41) Methacrylonitrile	5.02	41	15146	20.705	ug/l	98
42) 1,2-Dichloroethane	6.18	62	46502	19.954	ug/l	98
43) Isopropyl Acetate	6.43	43	50293	20.164	ug/l	99
44) Trichloroethene	7.20	130	32979	18.881	ug/l	82
45) 1,2-Dichloropropane	7.50	63	32842	19.629	ug/l	98
46) Dibromomethane	7.65	93	19728	20.198	ug/l #	71
47) Bromodichloromethane	7.89	83	49456	19.921	ug/l	94
48) Methyl methacrylate	7.76	41	24825	19.795	ug/l	98
49) 1,4-Dioxane	7.73	88	7672	448.754	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	130073	102.528	ug/l	99
52) Toluene	8.78	92	81439	19.328	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	50475	19.638	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	55770	19.512	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	28283	20.255	ug/l	98
56) Ethyl methacrylate	9.17	69	40039	20.018	ug/l	98
57) 1,3-Dichloropropane	9.37	76	48223	20.013	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	93889	104.121	ug/l	94
59) 2-Hexanone	9.48	43	93464	100.965	ug/l	100
60) Dibromochloromethane	9.57	129	33333	20.029	ug/l	99
61) 1,2-Dibromoethane	9.67	107	26888	19.927	ug/l	97
64) Tetrachloroethene	9.33	164	26808	18.154	ug/l #	86
65) Chlorobenzene	10.14	112	90907	19.451	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	33417	19.555	ug/l	97
67) Ethyl Benzene	10.25	91	166007	19.487	ug/l	96
68) m/p-Xylenes	10.36	106	120823	38.494	ug/l	91
69) o-Xylene	10.70	106	59774	19.639	ug/l	92
70) Styrene	10.71	104	105343	19.927	ug/l	96
71) Bromoform	10.85	173	18520	19.731	ug/l #	99
73) Isopropylbenzene	11.01	105	159914	18.798	ug/l	97
74) N-amyl acetate	10.89	43	49899	19.839	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	35264	19.884	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	26340m	18.593	ug/l	
77) Bromobenzene	11.25	156	36252	19.054	ug/l #	68
78) n-propylbenzene	11.35	91	194989	18.973	ug/l	94
79) 2-Chlorotoluene	11.42	91	119970	19.268	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	143592	19.261	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	11107	18.536	ug/l	94
82) 4-Chlorotoluene	11.51	91	144618	19.487	ug/l	91
83) tert-Butylbenzene	11.77	119	137978	19.419	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	146060	19.063	ug/l	94
85) sec-Butylbenzene	11.94	105	168281	19.067	ug/l	94
86) p-Isopropyltoluene	12.06	119	150212	18.715	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	73436	19.262	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	73975	19.406	ug/l	93
89) n-Butylbenzene	12.39	91	148973	19.107	ug/l	96
90) Hexachloroethane	12.59	117	30255	18.879	ug/l	54
91) 1,2-Dichlorobenzene	12.39	146	68710	20.011	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7621	20.535	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	47669	19.505	µg/l	94
94) Hexachlorobutadiene	13.78	225	23798	19.318	µg/l	99
95) Naphthalene	13.83	128	107702	20.362	µg/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	43365	20.169	µg/l	95

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

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