

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012120.D
 Acq On : 06 Sep 2019 01:29
 Operator : SY/SP
 Sample : VX0905SBS02
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:31:48 PM

Quant Time: Sep 06 07:18:07 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	110331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	213240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	197431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97450	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	88600	58.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.40%	
35) Dibromofluoromethane	5.48	113	66105	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	8.71	98	249851	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.14	95	110639	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	18903	18.579	ug/l	99
3) Chloromethane	1.31	50	20704	19.870	ug/l	100
4) Vinyl Chloride	1.39	62	18743	19.119	ug/l	95
5) Bromomethane	1.62	94	10560	21.714	ug/l	96
6) Chloroethane	1.70	64	12762	20.941	ug/l	96
7) Trichlorofluoromethane	1.91	101	29594	19.436	ug/l	94
8) Diethyl Ether	2.17	74	12279	23.336	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	20701	18.355	ug/l #	83
10) Methyl Iodide	2.50	142	12824	16.650	ug/l	94
11) Tert butyl alcohol	3.03	59	16276	111.310	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	20297	18.683	ug/l	93
13) Acrolein	2.28	56	4911	115.827	ug/l	96
14) Allyl chloride	2.71	41	39901	20.297	ug/l	97
15) Acrylonitrile	3.13	53	37414	113.154	ug/l	97
16) Acetone	2.43	43	34260	94.153	ug/l	100
17) Carbon Disulfide	2.55	76	51512	16.224	ug/l	100
18) Methyl Acetate	2.76	43	23092	26.939	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	80606	22.790	ug/l	99
20) Methylene Chloride	2.84	84	29497	20.187	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	24726	19.395	ug/l	87
22) Diisopropyl ether	3.84	45	90469	22.578	ug/l	97
23) Vinyl Acetate	3.80	43	272395	105.090	ug/l	98
24) 1,1-Dichloroethane	3.68	63	49372	21.245	ug/l	99
25) 2-Butanone	4.66	43	51253	110.654	ug/l	98
26) 2,2-Dichloropropane	4.57	77	36908	17.202	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	30887	20.668	ug/l	93
28) Bromochloromethane	5.00	49	22950	24.740	ug/l #	75
29) Tetrahydrofuran	5.12	42	32242	115.534	ug/l	98
30) Chloroform	5.19	83	54653	21.918	ug/l	94
31) Cyclohexane	5.56	56	33800	18.110	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	45349	20.881	ug/l	96
36) 1,1-Dichloropropene	5.79	75	34425	18.330	ug/l	94
37) Ethyl Acetate	4.82	43	22842	22.366	ug/l	99
38) Carbon Tetrachloride	5.77	117	36659	18.524	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	36133	16.577	ug/l	96
40) Benzene	6.13	78	104333	19.351	ug/l	100
41) Methacrylonitrile	5.03	41	13506	22.175	ug/l	98
42) 1,2-Dichloroethane	6.18	62	42617	21.964	ug/l	97
43) Isopropyl Acetate	6.44	43	44858	21.601	ug/l	100
44) Trichloroethene	7.20	130	27397	18.839	ug/l	85
45) 1,2-Dichloropropane	7.50	63	28060	20.143	ug/l	95
46) Dibromomethane	7.65	93	16805	20.666	ug/l #	72
47) Bromodichloromethane	7.89	83	41833	20.238	ug/l	98
48) Methyl methacrylate	7.76	41	23002	22.029	ug/l	95
49) 1,4-Dioxane	7.73	88	6394	449.206	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	117389	111.137	ug/l	98
52) Toluene	8.78	92	68196	19.440	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	41172	19.240	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	45007	18.913	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	24416	21.001	ug/l	98
56) Ethyl methacrylate	9.17	69	34000	20.417	ug/l	93
57) 1,3-Dichloropropane	9.37	76	42012	20.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	87915	117.100	ug/l	93
59) 2-Hexanone	9.48	43	82116	106.544	ug/l	97
60) Dibromochloromethane	9.57	129	28164	20.326	ug/l	100
61) 1,2-Dibromoethane	9.67	107	23073	20.539	ug/l	99
64) Tetrachloroethene	9.33	164	25989	21.114	ug/l	88
65) Chlorobenzene	10.14	112	76634	19.673	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	28808	20.225	ug/l	96
67) Ethyl Benzene	10.25	91	135047	19.019	ug/l	96
68) m/p-Xylenes	10.36	106	98479	37.643	ug/l	88
69) o-Xylene	10.70	106	49443	19.490	ug/l	92
70) Styrene	10.71	104	86090	19.538	ug/l	94
71) Bromoform	10.85	173	15460	19.761	ug/l #	99
73) Isopropylbenzene	11.01	105	133035	18.606	ug/l	96
74) N-amyl acetate	10.89	43	40598	19.204	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	30708	20.601	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	27356m	22.975	ug/l	
77) Bromobenzene	11.25	156	31704	19.826	ug/l	69
78) n-propylbenzene	11.35	91	158424	18.340	ug/l	93
79) 2-Chlorotoluene	11.42	91	100337	19.173	ug/l	89
80) 1,3,5-Trimethylbenzene	11.50	105	119764	19.114	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.07	75	7754	15.396	ug/l #	84
82) 4-Chlorotoluene	11.51	91	121997	19.559	ug/l	90
83) tert-Butylbenzene	11.76	119	110697	18.536	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	120169	18.660	ug/l	95
85) sec-Butylbenzene	11.94	105	134809	18.174	ug/l	94
86) p-Isopropyltoluene	12.06	119	121700	18.040	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	60985	19.032	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	61950	19.335	ug/l	92
89) n-Butylbenzene	12.39	91	117034	17.859	ug/l	96
90) Hexachloroethane	12.59	117	24182	17.953	ug/l	55
91) 1,2-Dichlorobenzene	12.39	146	58095	20.131	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6117	19.611	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	37421	18.218	ug/l	95
94) Hexachlorobutadiene	13.78	225	18731	18.090	ug/l	98
95) Naphthalene	13.83	128	83303	18.738	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	33815	18.712	ug/l	95

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

