

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090819\
 Data File : VX012217.D
 Acq On : 08 Sep 2019 12:28
 Operator : SY/SP
 Sample : VX0908SBS02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 8:43:09 AM

Quant Time: Sep 09 02:12:32 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	121387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	220947	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	203082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	82752	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	5.48	113	64335	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	8.71	98	236529	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	11.14	95	105350	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	19818	17.704	ug/l	95
3) Chloromethane	1.31	50	19069	16.634	ug/l	99
4) Vinyl Chloride	1.39	62	18251	16.922	ug/l	99
5) Bromomethane	1.62	94	9525	17.802	ug/l	97
6) Chloroethane	1.70	64	11767	17.549	ug/l	97
7) Trichlorofluoromethane	1.91	101	30400	18.147	ug/l	96
8) Diethyl Ether	2.17	74	11120	19.208	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22066	17.784	ug/l #	85
10) Methyl Iodide	2.50	142	10509	14.184	ug/l	91
11) Tert butyl alcohol	3.04	59	16475	102.409	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	19769	16.539	ug/l	89
13) Acrolein	2.28	56	5336	113.807	ug/l	98
14) Allyl chloride	2.72	41	38861	17.968	ug/l	98
15) Acrylonitrile	3.12	53	36482	100.286	ug/l	98
16) Acetone	2.43	43	39645	99.029	ug/l	100
17) Carbon Disulfide	2.55	76	40281	11.531	ug/l	100
18) Methyl Acetate	2.76	43	17983	19.068	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	77156	19.827	ug/l	97
20) Methylene Chloride	2.84	84	26969	16.776	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	22671	16.163	ug/l	91
22) Diisopropyl ether	3.84	45	86802	19.690	ug/l	95
23) Vinyl Acetate	3.80	43	282506	99.064	ug/l	97
24) 1,1-Dichloroethane	3.68	63	47021	18.391	ug/l	98
25) 2-Butanone	4.65	43	52396	102.818	ug/l	96
26) 2,2-Dichloropropane	4.57	77	42353	17.942	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	29242	17.785	ug/l	92
28) Bromochloromethane	5.00	49	20950	20.527	ug/l #	80
29) Tetrahydrofuran	5.11	42	31339	102.070	ug/l	98
30) Chloroform	5.19	83	52423	19.108	ug/l	96
31) Cyclohexane	5.56	56	32622	15.887	ug/l	89
32) 1,1,1-Trichloroethane	5.48	97	44284	18.534	ug/l	95
36) 1,1-Dichloropropene	5.78	75	32816	16.863	ug/l	95
37) Ethyl Acetate	4.82	43	22483	21.246	ug/l	99
38) Carbon Tetrachloride	5.77	117	36522	17.811	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	34700	15.364	ug/l	93
40) Benzene	6.13	78	99225	17.761	ug/l	97
41) Methacrylonitrile	5.03	41	14017	22.212	ug/l	94
42) 1,2-Dichloroethane	6.18	62	40556	20.173	ug/l	97
43) Isopropyl Acetate	6.43	43	44993	20.911	ug/l	97
44) Trichloroethene	7.20	130	26399	17.520	ug/l	83
45) 1,2-Dichloropropane	7.50	63	27092	18.770	ug/l	97
46) Dibromomethane	7.65	93	15524	18.424	ug/l #	75
47) Bromodichloromethane	7.89	83	39611	18.495	ug/l #	98
48) Methyl methacrylate	7.76	41	21647	20.009	ug/l	94
49) 1,4-Dioxane	7.73	88	5512	373.734	ug/l	89
51) 4-Methyl-2-Pentanone	8.64	43	115406	105.448	ug/l	97
52) Toluene	8.78	92	65745	18.087	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	39685	17.898	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	43523	17.651	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	23445	19.463	ug/l	98
56) Ethyl methacrylate	9.17	69	33165	19.221	ug/l	94
57) 1,3-Dichloropropane	9.37	76	40183	19.331	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	81041	104.179	ug/l	93
59) 2-Hexanone	9.49	43	83132	104.100	ug/l	97
60) Dibromochloromethane	9.58	129	26851	18.703	ug/l	99
61) 1,2-Dibromoethane	9.67	107	22504	19.333	ug/l	97
64) Tetrachloroethene	9.33	164	22992	18.160	ug/l #	87
65) Chlorobenzene	10.14	112	72434	18.077	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	28126	19.197	ug/l	96
67) Ethyl Benzene	10.25	91	131345	17.983	ug/l	94
68) m/p-Xylenes	10.35	106	95838	35.614	ug/l	90
69) o-Xylene	10.70	106	47398	18.164	ug/l	89
70) Styrene	10.71	104	83880	18.507	ug/l	95
71) Bromoform	10.85	173	14500	18.019	ug/l #	98
73) Isopropylbenzene	11.01	105	130514	17.704	ug/l	97
74) N-amyl acetate	10.89	43	40741	18.691	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	29813	19.398	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	26813m	21.840	ug/l	
77) Bromobenzene	11.25	156	31196	18.921	ug/l	72
78) n-propylbenzene	11.35	91	155743	17.487	ug/l	94
79) 2-Chlorotoluene	11.42	91	97014	17.980	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	117233	18.146	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	8537	16.440	ug/l	86
82) 4-Chlorotoluene	11.51	91	117926	18.336	ug/l	92
83) tert-Butylbenzene	11.76	119	111305	18.076	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	118653	17.869	ug/l	96
85) sec-Butylbenzene	11.94	105	133035	17.394	ug/l	95
86) p-Isopropyltoluene	12.06	119	121383	17.451	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	60899	18.433	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	61586	18.643	ug/l	94
89) n-Butylbenzene	12.39	91	118010	17.465	ug/l	95
90) Hexachloroethane	12.59	117	22420	16.143	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	58035	19.504	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6334	19.695	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	39085	18.455	µg/l	94
94) Hexachlorobutadiene	13.78	225	19194	17.979	µg/l	96
95) Naphthalene	13.83	128	100390	21.902	µg/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	35580	19.096	µg/l	95

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

