

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\
 Data File : VX012210.D
 Acq On : 08 Sep 2019 09:04
 Operator : SY/SP
 Sample : VX0907SBSD03
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0907SBSD03

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 9:24:00 AM

Quant Time: Sep 09 01:33:10 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	136290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	231372	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	208086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	79796	42.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.86%	
35) Dibromofluoromethane	5.48	113	64840	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	
50) Toluene-d8	8.71	98	242173	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
62) 4-Bromofluorobenzene	11.14	95	105105	43.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	25986	20.676	ug/l	99
3) Chloromethane	1.31	50	22135	17.197	ug/l	100
4) Vinyl Chloride	1.40	62	22089	18.241	ug/l	98
5) Bromomethane	1.62	94	10505	17.487	ug/l	97
6) Chloroethane	1.70	64	14309	19.007	ug/l	99
7) Trichlorofluoromethane	1.91	101	39740	21.128	ug/l	100
8) Diethyl Ether	2.17	74	12017	18.488	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28764	20.647	ug/l #	84
10) Methyl Iodide	2.50	142	12047	14.336	ug/l	91
11) Tert butyl alcohol	3.04	59	15788	87.407	ug/l #	93
12) 1,1-Dichloroethene	2.36	96	23331	17.385	ug/l	87
13) Acrolein	2.28	56	5415	98.233	ug/l	95
14) Allyl chloride	2.72	41	42313	17.425	ug/l	97
15) Acrylonitrile	3.13	53	37428	91.636	ug/l	98
16) Acetone	2.43	43	40964	91.135	ug/l	100
17) Carbon Disulfide	2.56	76	49281	12.565	ug/l	100
18) Methyl Acetate	2.76	43	18290	17.273	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	81121	18.567	ug/l	97
20) Methylene Chloride	2.84	84	29580	16.388	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	25934	16.468	ug/l	94
22) Diisopropyl ether	3.84	45	95149	19.223	ug/l	96
23) Vinyl Acetate	3.80	43	294658	92.027	ug/l	97
24) 1,1-Dichloroethane	3.68	63	52147	18.165	ug/l	97
25) 2-Butanone	4.66	43	53065	92.744	ug/l	98
26) 2,2-Dichloropropane	4.57	77	52259	19.718	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	32006	17.338	ug/l	88
28) Bromochloromethane	5.00	49	23207	20.252	ug/l #	76
29) Tetrahydrofuran	5.12	42	30531	88.565	ug/l	98
30) Chloroform	5.19	83	58119	18.868	ug/l	99
31) Cyclohexane	5.56	56	40849	17.718	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	53312	19.872	ug/l	97
36) 1,1-Dichloropropene	5.79	75	39345	19.307	ug/l	95
37) Ethyl Acetate	4.82	43	21129	19.067	ug/l #	95
38) Carbon Tetrachloride	5.78	117	43841	20.417	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	44601	18.858	ug/l	98
40) Benzene	6.13	78	110006	18.804	ug/l	99
41) Methacrylonitrile	5.03	41	13806	20.892	ug/l	96
42) 1,2-Dichloroethane	6.18	62	42762	20.312	ug/l	96
43) Isopropyl Acetate	6.43	43	44029	19.541	ug/l	99
44) Trichloroethene	7.20	130	30255	19.174	ug/l	82
45) 1,2-Dichloropropane	7.50	63	28924	19.136	ug/l	99
46) Dibromomethane	7.65	93	16454	18.648	ug/l #	73
47) Bromodichloromethane	7.89	83	44034	19.634	ug/l	98
48) Methyl methacrylate	7.76	41	21908	19.337	ug/l	96
49) 1,4-Dioxane	7.73	88	5726	370.751	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	115648	100.908	ug/l	96
52) Toluene	8.78	92	72825	19.132	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	42974	18.508	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	47949	18.570	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	24037	19.055	ug/l	95
56) Ethyl methacrylate	9.17	69	34180	18.917	ug/l	94
57) 1,3-Dichloropropane	9.37	76	41906	19.252	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	76699	94.155	ug/l	93
59) 2-Hexanone	9.49	43	84860	101.475	ug/l	96
60) Dibromochloromethane	9.58	129	28882	19.211	ug/l	100
61) 1,2-Dibromoethane	9.67	107	23014	18.881	ug/l	99
64) Tetrachloroethene	9.33	164	26967	20.787	ug/l #	87
65) Chlorobenzene	10.14	112	80841	19.690	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	31168	20.762	ug/l	97
67) Ethyl Benzene	10.24	91	151290	20.216	ug/l	95
68) m/p-Xylenes	10.35	106	112055	40.639	ug/l	91
69) o-Xylene	10.70	106	53210	19.901	ug/l	88
70) Styrene	10.71	104	93816	20.201	ug/l	95
71) Bromoform	10.85	173	15142	18.364	ug/l #	98
73) Isopropylbenzene	11.01	105	156732	20.585	ug/l	95
74) N-amyl acetate	10.89	43	42379	18.826	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	30487	19.207	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	26729m	21.081	ug/l	
77) Bromobenzene	11.25	156	33719	19.802	ug/l	71
78) n-propylbenzene	11.35	91	186595	20.286	ug/l	95
79) 2-Chlorotoluene	11.42	91	111133	19.943	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	136895	20.517	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	8941	16.671	ug/l	90
82) 4-Chlorotoluene	11.51	91	135620	20.419	ug/l	92
83) tert-Butylbenzene	11.76	119	132016	20.759	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	134535	19.618	ug/l	94
85) sec-Butylbenzene	11.94	105	162472	20.569	ug/l	94
86) p-Isopropyltoluene	12.06	119	146460	20.388	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	67910	19.902	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	67341	19.738	ug/l	93
89) n-Butylbenzene	12.38	91	142580	20.432	ug/l	96
90) Hexachloroethane	12.59	117	26740	18.643	ug/l	56
91) 1,2-Dichlorobenzene	12.38	146	62646	20.386	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5883	17.712	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	38913	17.790	µg/l	93
94) Hexachlorobutadiene	13.78	225	21537	19.533	µg/l	99
95) Naphthalene	13.83	128	82280	17.381	µg/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	34367	17.859	µg/l	95

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

