

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090319\
 Data File : VX012024.D
 Acq On : 03 Sep 2019 15:44
 Operator : SY/SP
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX090319

Manual Integrations
 APPROVED

sam
 9/4/2019 4:46:28 PM

Quant Time: Sep 03 16:44:24 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	137050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	253370	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	232330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	111746	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	100011	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	5.48	113	83612	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	8.71	98	310455	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
62) 4-Bromofluorobenzene	11.13	95	133849	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	63723	50.421	ug/l	99
3) Chloromethane	1.31	50	68518	52.937	ug/l	98
4) Vinyl Chloride	1.39	62	64308	52.809	ug/l	98
5) Bromomethane	1.62	94	39264m	64.997	ug/l	
6) Chloroethane	1.71	64	40586	53.613	ug/l	99
7) Trichlorofluoromethane	1.92	101	101073	53.439	ug/l	97
8) Diethyl Ether	2.17	74	35689	54.603	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72864	52.012	ug/l #	84
10) Methyl Iodide	2.50	142	63777	45.670	ug/l	94
11) Tert butyl alcohol	3.03	59	38727	213.216	ug/l	96
12) 1,1-Dichloroethene	2.36	96	70851	52.501	ug/l	90
13) Acrolein	2.28	56	10654	230.759	ug/l	96
14) Allyl chloride	2.71	41	133596	54.710	ug/l	99
15) Acrylonitrile	3.12	53	100360	244.352	ug/l	99
16) Acetone	2.43	43	122031	269.984	ug/l	100
17) Carbon Disulfide	2.56	76	226133	57.336	ug/l	100
18) Methyl Acetate	2.76	43	49472	46.462	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	224299	51.052	ug/l	100
20) Methylene Chloride	2.84	84	87106	47.991	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	84904	53.613	ug/l	93
22) Diisopropyl ether	3.84	45	261171	52.473	ug/l	97
23) Vinyl Acetate	3.80	43	848390	263.498	ug/l	99
24) 1,1-Dichloroethane	3.68	63	151723	52.560	ug/l	98
25) 2-Butanone	4.65	43	149505	259.849	ug/l	98
26) 2,2-Dichloropropane	4.56	77	143571	53.870	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	97790	52.679	ug/l	92
28) Bromochloromethane	5.00	49	57281	49.711	ug/l #	80
29) Tetrahydrofuran	5.11	42	83127	239.800	ug/l	97
30) Chloroform	5.19	83	162802	52.560	ug/l	97
31) Cyclohexane	5.56	56	120837	52.121	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	141795	52.561	ug/l	97
36) 1,1-Dichloropropene	5.78	75	115009	51.538	ug/l	97
37) Ethyl Acetate	4.81	43	60107	49.532	ug/l	98
38) Carbon Tetrachloride	5.77	117	121220	51.551	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	132733	51.249	ug/l	97
40) Benzene	6.12	78	340329	53.124	ug/l	98
41) Methacrylonitrile	5.02	41	36043	49.806	ug/l	98
42) 1,2-Dichloroethane	6.17	62	120987	52.479	ug/l	98
43) Isopropyl Acetate	6.43	43	122123	49.494	ug/l	99
44) Trichloroethene	7.20	130	89963	52.064	ug/l	83
45) 1,2-Dichloropropane	7.50	63	87423	52.818	ug/l	95
46) Dibromomethane	7.65	93	50831	52.608	ug/l #	73
47) Bromodichloromethane	7.89	83	127783	52.029	ug/l	97
48) Methyl methacrylate	7.76	41	61062	49.218	ug/l	98
49) 1,4-Dioxane	7.73	88	15368	908.665	ug/l	93
51) 4-Methyl-2-Pentanone	8.63	43	298979	238.223	ug/l	100
52) Toluene	8.78	92	221361	53.106	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	133899	52.660	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	149810	52.982	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	68954	49.917	ug/l	98
56) Ethyl methacrylate	9.17	69	100170	50.625	ug/l	97
57) 1,3-Dichloropropane	9.36	76	121852	51.119	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	202351	226.837	ug/l	94
59) 2-Hexanone	9.48	43	230643	251.857	ug/l	98
60) Dibromochloromethane	9.57	129	84541	51.351	ug/l	98
61) 1,2-Dibromoethane	9.67	107	68352	51.207	ug/l	98
64) Tetrachloroethene	9.33	164	72322	49.931	ug/l #	89
65) Chlorobenzene	10.14	112	235976	51.478	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	86020	51.320	ug/l	97
67) Ethyl Benzene	10.25	91	433567	51.888	ug/l	96
68) m/p-Xylenes	10.36	106	320100	103.976	ug/l	91
69) o-Xylene	10.70	106	155756	52.175	ug/l	92
70) Styrene	10.71	104	271230	52.308	ug/l	96
71) Bromoform	10.85	173	46478	50.486	ug/l	97
73) Isopropylbenzene	11.01	105	417426	50.912	ug/l	96
74) N-amyl acetate	10.89	43	119473	49.284	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	81329	47.581	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	62836m	46.021	ug/l	
77) Bromobenzene	11.25	156	93501	50.990	ug/l #	68
78) n-propylbenzene	11.35	91	499568	50.434	ug/l	95
79) 2-Chlorotoluene	11.42	91	304403	50.726	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	366451	51.002	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	27981	48.450	ug/l	96
82) 4-Chlorotoluene	11.51	91	364833	51.008	ug/l	91
83) tert-Butylbenzene	11.76	119	349219	50.994	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	385352	52.183	ug/l	93
85) sec-Butylbenzene	11.94	105	433279	50.938	ug/l	94
86) p-Isopropyltoluene	12.06	119	400015	51.710	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	187487	51.025	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	186845	50.856	ug/l	95
89) n-Butylbenzene	12.39	91	385224	51.263	ug/l	96
90) Hexachloroethane	12.59	117	76019	49.217	ug/l	55
91) 1,2-Dichlorobenzene	12.39	146	167994	50.765	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	17179	48.029	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	121330	51.511	ug/l	95
94) Hexachlorobutadiene	13.78	225	59946	50.488	ug/l	99
95) Naphthalene	13.83	128	262825	51.557	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	108228	52.228	ug/l	95

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

