

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091319\
 Data File : VX012400.D
 Acq On : 13 Sep 2019 21:54
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 1:21:13 PM

Quant Time: Sep 14 01:00:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	120586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	214332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	202177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106085	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	78470	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
35) Dibromofluoromethane	5.48	113	64649	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
50) Toluene-d8	8.71	98	237690	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.14	95	100185	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	38379	38.928	ug/l	97
3) Chloromethane	1.31	50	40853	45.971	ug/l	97
4) Vinyl Chloride	1.40	62	38220	43.375	ug/l	96
5) Bromomethane	1.62	94	20085	56.877	ug/l	100
6) Chloroethane	1.71	64	27568	46.788	ug/l	97
7) Trichlorofluoromethane	1.92	101	68954	43.239	ug/l	100
8) Diethyl Ether	2.17	74	26431	48.572	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	48727	45.336	ug/l	98
10) Methyl Iodide	2.50	142	35277	34.486	ug/l	98
11) Tert butyl alcohol	3.03	59	46361	256.332	ug/l	100
12) 1,1-Dichloroethene	2.36	96	41777	45.785	ug/l	96
13) Acrolein	2.28	56	23126	259.492	ug/l	89
14) Allyl chloride	2.72	41	85120	45.756	ug/l	96
15) Acrylonitrile	3.13	53	88069	261.816	ug/l	100
16) Acetone	2.43	43	79478	196.928	ug/l	97
17) Carbon Disulfide	2.56	76	77196	40.288	ug/l	99
18) Methyl Acetate	2.76	43	44986	53.031	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	178048	49.411	ug/l	99
20) Methylene Chloride	2.84	84	61199	48.526	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	49801	45.746	ug/l	98
22) Diisopropyl ether	3.84	45	209898	49.335	ug/l	97
23) Vinyl Acetate	3.80	43	633355	242.635	ug/l	100
24) 1,1-Dichloroethane	3.69	63	109048	47.851	ug/l	97
25) 2-Butanone	4.66	43	122597	237.624	ug/l	96
26) 2,2-Dichloropropane	4.57	77	84192	39.350	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	67267	47.860	ug/l	97
28) Bromochloromethane	5.00	49	52815	49.415	ug/l	99
29) Tetrahydrofuran	5.12	42	73740	264.903	ug/l	99
30) Chloroform	5.20	83	122166	47.539	ug/l	97
31) Cyclohexane	5.56	56	67451	42.609	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	98849	44.797	ug/l	100
36) 1,1-Dichloropropene	5.79	75	70756	45.274	ug/l	97
37) Ethyl Acetate	4.82	43	50473	52.245	ug/l	100
38) Carbon Tetrachloride	5.77	117	77756	42.406	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	71754	41.837	ug/l	96
40) Benzene	6.13	78	226693	47.926	ug/l	97
41) Methacrylonitrile	5.03	41	30778	51.678	ug/l	97
42) 1,2-Dichloroethane	6.18	62	89859	48.066	ug/l	100
43) Isopropyl Acetate	6.43	43	99904	49.049	ug/l	100
44) Trichloroethene	7.20	130	59881	46.779	ug/l	99
45) 1,2-Dichloropropane	7.51	63	64199	49.034	ug/l	99
46) Dibromomethane	7.65	93	37315	52.148	ug/l	97
47) Bromodichloromethane	7.89	83	90642	46.417	ug/l	97
48) Methyl methacrylate	7.76	41	48289	49.530	ug/l	99
49) 1,4-Dioxane	7.73	88	14474	1100.215	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	274376	255.238	ug/l	99
52) Toluene	8.78	92	151688	48.552	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	88803	45.562	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	100825	46.651	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	55553	50.111	ug/l	98
56) Ethyl methacrylate	9.17	69	75515	50.310	ug/l	97
57) 1,3-Dichloropropane	9.37	76	96079	50.744	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	165636	215.305	ug/l	99
59) 2-Hexanone	9.48	43	193045	258.274	ug/l	99
60) Dibromochloromethane	9.57	129	63911	49.383	ug/l	98
61) 1,2-Dibromoethane	9.67	107	52604	50.976	ug/l	99
64) Tetrachloroethene	9.33	164	55467	51.875	ug/l	96
65) Chlorobenzene	10.14	112	176962	47.903	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	68091	48.896	ug/l	99
67) Ethyl Benzene	10.25	91	304623	46.364	ug/l	96
68) m/p-Xylenes	10.35	106	228685	94.552	ug/l	100
69) o-Xylene	10.70	106	114110	48.162	ug/l	99
70) Styrene	10.71	104	206197	49.072	ug/l	99
71) Bromoform	10.85	173	35978	49.823	ug/l #	99
73) Isopropylbenzene	11.01	105	307145	43.979	ug/l	100
74) N-amyl acetate	10.89	43	90494	43.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	72051	48.037	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	64001m	46.962	ug/l	
77) Bromobenzene	11.25	156	78061	48.548	ug/l	93
78) n-propylbenzene	11.35	91	363739	43.129	ug/l	99
79) 2-Chlorotoluene	11.42	91	229205	43.866	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	279616	44.521	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18443	40.548	ug/l	95
82) 4-Chlorotoluene	11.51	91	280367	44.648	ug/l	99
83) tert-Butylbenzene	11.76	119	270611	44.374	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	292085	44.988	ug/l	98
85) sec-Butylbenzene	11.94	105	317091	43.577	ug/l	100
86) p-Isopropyltoluene	12.06	119	297341	44.225	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	150311	45.890	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	155881	47.064	ug/l	98
89) n-Butylbenzene	12.39	91	283167	42.970	ug/l	99
90) Hexachloroethane	12.59	117	52982	42.783	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	145593	48.052	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13670	44.651	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	102172	48.829	ug/l	100
94) Hexachlorobutadiene	13.78	225	52045	49.998	ug/l	98
95) Naphthalene	13.83	128	228001	50.775	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	94948	51.285	ug/l	99

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

