

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012141.D
 Acq On : 06 Sep 2019 11:14
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:55:21 PM

Quant Time: Sep 06 11:52:08 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	5.64	168	113667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	224667	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	207259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	93595	59.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.36%	
35) Dibromofluoromethane	5.48	113	71425	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
50) Toluene-d8	8.71	98	266201	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
62) 4-Bromofluorobenzene	11.14	95	116374	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	46958	44.799	ug/l	99
3) Chloromethane	1.31	50	56236	52.386	ug/l	100
4) Vinyl Chloride	1.39	62	52418	51.900	ug/l	97
5) Bromomethane	1.62	94	27741	55.369	ug/l	96
6) Chloroethane	1.71	64	33781	53.803	ug/l	99
7) Trichlorofluoromethane	1.92	101	77394	49.337	ug/l	99
8) Diethyl Ether	2.17	74	30358	56.001	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.37	101	54294	46.729	ug/l #	83
10) Methyl Iodide	2.50	142	35771	33.147	ug/l	91
11) Tert butyl alcohol	3.03	59	38416	255.013	ug/l	97
12) 1,1-Dichloroethene	2.36	96	55800	49.854	ug/l	88
13) Acrolein	2.28	56	1236	Below Cal	#	74
14) Allyl chloride	2.72	41	103664	51.185	ug/l	97
15) Acrylonitrile	3.12	53	92714	272.173	ug/l	99
16) Acetone	2.43	43	80874	215.735	ug/l	96
17) Carbon Disulfide	2.56	76	168283	51.446	ug/l	100
18) Methyl Acetate	2.76	43	63861	72.314	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	196844	54.020	ug/l	100
20) Methylene Chloride	2.84	84	73710	48.965	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	68349	52.038	ug/l	92
22) Diisopropyl ether	3.84	45	221475	53.651	ug/l	97
23) Vinyl Acetate	3.80	43	630207	235.998	ug/l	97
24) 1,1-Dichloroethane	3.68	63	127066	53.073	ug/l	97
25) 2-Butanone	4.65	43	125636	263.283	ug/l	95
26) 2,2-Dichloropropane	4.57	77	78337	35.440	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	81286	52.796	ug/l	95
28) Bromochloromethane	5.00	49	53087	55.548	ug/l #	77
29) Tetrahydrofuran	5.11	42	79483	276.456	ug/l	99
30) Chloroform	5.20	83	136617	53.180	ug/l	98
31) Cyclohexane	5.56	56	88518	46.035	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	116655	52.138	ug/l	96
36) 1,1-Dichloropropene	5.79	75	91280	46.130	ug/l	96
37) Ethyl Acetate	4.82	43	54927	51.047	ug/l	99
38) Carbon Tetrachloride	5.77	117	96455	46.260	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	93419	40.677	ug/l	91
40) Benzene	6.13	78	278365	49.003	ug/l	98
41) Methacrylonitrile	5.03	41	33836	52.730	ug/l	97
42) 1,2-Dichloroethane	6.18	62	108293	52.974	ug/l	96
43) Isopropyl Acetate	6.43	43	112695	51.508	ug/l	97
44) Trichloroethene	7.20	130	74026	48.314	ug/l	85
45) 1,2-Dichloropropane	7.51	63	72286	49.252	ug/l	97
46) Dibromomethane	7.65	93	43810	51.134	ug/l #	73
47) Bromodichloromethane	7.89	83	108023	49.602	ug/l	99
48) Methyl methacrylate	7.76	41	56925	51.745	ug/l	96
49) 1,4-Dioxane	7.73	88	15420	1028.221	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	289015	259.705	ug/l	97
52) Toluene	8.78	92	178191	48.211	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	99280	44.033	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	112026	44.681	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	60262	49.198	ug/l	98
56) Ethyl methacrylate	9.17	69	86806	49.476	ug/l	93
57) 1,3-Dichloropropane	9.37	76	106487	50.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	196092	247.905	ug/l	93
59) 2-Hexanone	9.48	43	199379	245.532	ug/l	97
60) Dibromochloromethane	9.57	129	72612	49.740	ug/l	99
61) 1,2-Dibromoethane	9.67	107	58869	49.737	ug/l	99
64) Tetrachloroethene	9.33	164	72625	56.205	ug/l #	87
65) Chlorobenzene	10.14	112	196960	48.164	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	73704	49.292	ug/l	97
67) Ethyl Benzene	10.25	91	350681	47.045	ug/l	96
68) m/p-Xylenes	10.36	106	255104	92.887	ug/l	89
69) o-Xylene	10.70	106	125642	47.178	ug/l	90
70) Styrene	10.71	104	224588	48.552	ug/l	95
71) Bromoform	10.86	173	39081	47.586	ug/l #	97
73) Isopropylbenzene	11.01	105	341824	46.721	ug/l	96
74) N-amyl acetate	10.89	43	94745	43.799	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	72070	47.251	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	65148m	53.472	ug/l	
77) Bromobenzene	11.25	156	79260	48.439	ug/l	68
78) n-propylbenzene	11.35	91	403211	45.618	ug/l	93
79) 2-Chlorotoluene	11.42	91	252144	47.087	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	305094	47.585	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.07	75	17646	34.241	ug/l	88
82) 4-Chlorotoluene	11.51	91	301426	47.227	ug/l	91
83) tert-Butylbenzene	11.76	119	266879	43.672	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	308947	46.884	ug/l	93
85) sec-Butylbenzene	11.94	105	336895	44.385	ug/l	94
86) p-Isopropyltoluene	12.06	119	292651	42.396	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	154537	47.132	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	155838	47.534	ug/l	94
89) n-Butylbenzene	12.39	91	292845	43.672	ug/l	96
90) Hexachloroethane	12.59	117	60595	43.964	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	142555	48.275	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15202	47.629	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	94295	44.864	ug/l	95
94) Hexachlorobutadiene	13.78	225	46053	43.467	ug/l	98
95) Naphthalene	13.83	128	211320	46.455	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	84348	45.615	ug/l	95

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

