

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090419\
 Data File : VX012090.D
 Acq On : 05 Sep 2019 09:52
 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
 9/9/2019 8:57:42 AM

Quant Time: Sep 05 14:55:15 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	99471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	205314	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	191454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95976	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	78672	57.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.64%	
35) Dibromofluoromethane	5.48	113	60157	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	8.71	98	224910	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.14	95	99909	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	42842	46.705	ug/l	95
3) Chloromethane	1.31	50	53890	57.365	ug/l	100
4) Vinyl Chloride	1.39	62	46600	52.725	ug/l	98
5) Bromomethane	1.62	94	28783	65.648	ug/l	98
6) Chloroethane	1.71	64	31940	58.131	ug/l	99
7) Trichlorofluoromethane	1.92	101	69761	50.818	ug/l	99
8) Diethyl Ether	2.17	74	30657	64.624	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	49495	48.678	ug/l #	83
10) Methyl Iodide	2.50	142	37332	38.184	ug/l	94
11) Tert butyl alcohol	3.03	59	38833	294.570	ug/l	96
12) 1,1-Dichloroethene	2.36	96	50922	51.989	ug/l	93
13) Acrolein	2.28	56	632	Below Cal	#	82
14) Allyl chloride	2.72	41	100449	56.676	ug/l	98
15) Acrylonitrile	3.12	53	90860	304.797	ug/l	99
16) Acetone	2.43	43	79635	242.747	ug/l	100
17) Carbon Disulfide	2.56	76	159639	55.768	ug/l	99
18) Methyl Acetate	2.76	43	84994	109.980	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	197274	61.865	ug/l	100
20) Methylene Chloride	2.84	84	73467	55.768	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	64675	56.268	ug/l	94
22) Diisopropyl ether	3.84	45	221899	61.426	ug/l	94
23) Vinyl Acetate	3.80	43	548709	234.804	ug/l	98
24) 1,1-Dichloroethane	3.68	63	123335	58.867	ug/l	98
25) 2-Butanone	4.65	43	123169	294.950	ug/l	95
26) 2,2-Dichloropropane	4.56	77	75465	39.013	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	78998	58.633	ug/l	94
28) Bromochloromethane	5.00	49	52072	62.262	ug/l #	80
29) Tetrahydrofuran	5.11	42	78665	312.660	ug/l	99
30) Chloroform	5.19	83	133829	59.529	ug/l	95
31) Cyclohexane	5.56	56	81005	48.140	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	109865	56.111	ug/l	97
36) 1,1-Dichloropropene	5.79	75	85995	47.556	ug/l	96
37) Ethyl Acetate	4.82	43	51051	51.916	ug/l	98
38) Carbon Tetrachloride	5.77	117	90448	47.468	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	87096	41.499	ug/l	92
40) Benzene	6.13	78	272823	52.554	ug/l	98
41) Methacrylonitrile	5.02	41	33107	56.457	ug/l	99
42) 1,2-Dichloroethane	6.18	62	107973	57.797	ug/l	96
43) Isopropyl Acetate	6.43	43	107093	53.561	ug/l	98
44) Trichloroethene	7.20	130	71387	50.984	ug/l	88
45) 1,2-Dichloropropane	7.50	63	72160	53.801	ug/l	99
46) Dibromomethane	7.65	93	43742	55.867	ug/l #	74
47) Bromodichloromethane	7.89	83	108472	54.504	ug/l	96
48) Methyl methacrylate	7.76	41	57927	57.619	ug/l	96
49) 1,4-Dioxane	7.73	88	15703	1145.791	ug/l	91
51) 4-Methyl-2-Pentanone	8.64	43	283405	278.668	ug/l	97
52) Toluene	8.78	92	175281	51.894	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	101550	49.286	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	112445	49.076	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	59710	53.342	ug/l	97
56) Ethyl methacrylate	9.17	69	86016	53.647	ug/l	95
57) 1,3-Dichloropropane	9.37	76	106157	54.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	197810	273.649	ug/l	94
59) 2-Hexanone	9.48	43	198448	267.422	ug/l	97
60) Dibromochloromethane	9.57	129	72432	54.293	ug/l	99
61) 1,2-Dibromoethane	9.67	107	59126	54.663	ug/l	100
64) Tetrachloroethene	9.33	164	71189	59.642	ug/l #	84
65) Chlorobenzene	10.14	112	194175	51.403	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	72475	52.471	ug/l	98
67) Ethyl Benzene	10.25	91	344407	50.018	ug/l	95
68) m/p-Xylenes	10.35	106	255139	100.569	ug/l	91
69) o-Xylene	10.70	106	126835	51.558	ug/l	92
70) Styrene	10.71	104	223243	52.246	ug/l	95
71) Bromoform	10.85	173	39937	52.642	ug/l #	98
73) Isopropylbenzene	11.01	105	332836	47.265	ug/l	96
74) N-amyl acetate	10.89	43	84671	40.667	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	73719	50.215	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	64190m	54.738	ug/l	
77) Bromobenzene	11.25	156	80530	51.132	ug/l	69
78) n-propylbenzene	11.35	91	393146	46.212	ug/l	94
79) 2-Chlorotoluene	11.42	91	251460	48.789	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	297960	48.283	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	18606	37.510	ug/l	90
82) 4-Chlorotoluene	11.51	91	303327	49.377	ug/l	91
83) tert-Butylbenzene	11.76	119	271832	46.216	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	306552	48.333	ug/l	95
85) sec-Butylbenzene	11.94	105	331584	45.387	ug/l	94
86) p-Isopropyltoluene	12.06	119	286196	43.076	ug/l	94
87) 1,3-Dichlorobenzene	12.03	146	154570	48.979	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	159413	50.519	ug/l	94
89) n-Butylbenzene	12.39	91	285920	44.300	ug/l	96
90) Hexachloroethane	12.59	117	59664	44.975	ug/l	59
91) 1,2-Dichlorobenzene	12.39	146	148004	52.073	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	15837	51.552	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	95145	47.031	ug/l	96
94) Hexachlorobutadiene	13.78	225	45404	44.524	ug/l	99
95) Naphthalene	13.83	128	226710	51.780	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	87975	49.430	ug/l	95

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

