

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090619\
 Data File : VX012167.D
 Acq On : 07 Sep 2019 00:03
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 10:50:05 AM

Quant Time: Sep 07 03:28:51 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	101609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	197014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	184575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	84409	60.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.42%	
35) Dibromofluoromethane	5.48	113	65791	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
50) Toluene-d8	8.71	98	238322	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
62) 4-Bromofluorobenzene	11.13	95	105774	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	45620	48.687	ug/l	97
3) Chloromethane	1.31	50	55730	58.075	ug/l	98
4) Vinyl Chloride	1.40	62	50545	55.985	ug/l	99
5) Bromomethane	1.62	94	26714	59.647	ug/l	97
6) Chloroethane	1.71	64	33977	60.537	ug/l	96
7) Trichlorofluoromethane	1.92	101	76637	54.652	ug/l	98
8) Diethyl Ether	2.17	74	30064	62.040	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	51956	50.024	ug/l #	84
10) Methyl Iodide	2.50	142	39331	39.163	ug/l	92
11) Tert butyl alcohol	3.03	59	39907	296.348	ug/l	96
12) 1,1-Dichloroethene	2.36	96	52878	52.850	ug/l	87
13) Acrolein	2.28	56	8917	263.244	ug/l	96
14) Allyl chloride	2.72	41	102898	56.836	ug/l	97
15) Acrylonitrile	3.13	53	91025	298.925	ug/l	99
16) Acetone	2.43	43	82513	246.227	ug/l	97
17) Carbon Disulfide	2.56	76	159754	54.634	ug/l	99
18) Methyl Acetate	2.76	43	50264	63.672	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	192924	59.227	ug/l	100
20) Methylene Chloride	2.84	84	72952	54.212	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	65100	55.446	ug/l	91
22) Diisopropyl ether	3.84	45	219519	59.488	ug/l	95
23) Vinyl Acetate	3.80	43	702392	294.244	ug/l	98
24) 1,1-Dichloroethane	3.68	63	122601	57.285	ug/l	99
25) 2-Butanone	4.65	43	123570	289.684	ug/l	97
26) 2,2-Dichloropropane	4.57	77	92739	46.934	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	78371	56.944	ug/l	94
28) Bromochloromethane	5.00	49	52409	61.347	ug/l #	79
29) Tetrahydrofuran	5.11	42	80323	312.532	ug/l	98
30) Chloroform	5.20	83	132586	57.735	ug/l	99
31) Cyclohexane	5.56	56	85691	49.854	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	111910	55.953	ug/l	96
36) 1,1-Dichloropropene	5.79	75	88779	51.163	ug/l	95
37) Ethyl Acetate	4.82	43	56437	59.812	ug/l	99
38) Carbon Tetrachloride	5.77	117	92996	50.861	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	92239	45.801	ug/l	93
40) Benzene	6.13	78	267184	53.636	ug/l	98
41) Methacrylonitrile	5.03	41	33070	58.769	ug/l	97
42) 1,2-Dichloroethane	6.18	62	105808	59.024	ug/l	95
43) Isopropyl Acetate	6.43	43	111916	58.332	ug/l	98
44) Trichloroethene	7.20	130	69581	51.787	ug/l	80
45) 1,2-Dichloropropane	7.50	63	70329	54.645	ug/l	99
46) Dibromomethane	7.65	93	42599	56.699	ug/l #	73
47) Bromodichloromethane	7.89	83	104890	54.924	ug/l	97
48) Methyl methacrylate	7.76	41	56557	58.627	ug/l	94
49) 1,4-Dioxane	7.73	88	15386	1169.957	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	286783	293.870	ug/l	96
52) Toluene	8.78	92	173058	53.394	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	102247	51.715	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	114597	52.122	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	58899	54.834	ug/l	97
56) Ethyl methacrylate	9.17	69	84702	55.053	ug/l	93
57) 1,3-Dichloropropane	9.37	76	104193	56.214	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	174323	251.317	ug/l	94
59) 2-Hexanone	9.48	43	201491	282.961	ug/l	98
60) Dibromochloromethane	9.57	129	68782	53.730	ug/l	97
61) 1,2-Dibromoethane	9.67	107	59004	56.848	ug/l	96
64) Tetrachloroethene	9.33	164	65397	56.832	ug/l #	86
65) Chlorobenzene	10.14	112	189504	52.036	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	71347	53.579	ug/l	97
67) Ethyl Benzene	10.25	91	341431	51.434	ug/l	96
68) m/p-Xylenes	10.36	106	248725	101.695	ug/l	90
69) o-Xylene	10.70	106	122621	51.703	ug/l	89
70) Styrene	10.71	104	215753	52.375	ug/l	95
71) Bromoform	10.85	173	38137	52.143	ug/l #	97
73) Isopropylbenzene	11.01	105	331365	50.059	ug/l	95
74) N-amyl acetate	10.89	43	104851	53.573	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	72646	52.643	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	55854m	50.669	ug/l	
77) Bromobenzene	11.25	156	75629	51.085	ug/l #	65
78) n-propylbenzene	11.35	91	387865	48.501	ug/l	95
79) 2-Chlorotoluene	11.42	91	247745	51.136	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	290870	50.142	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	20252	43.434	ug/l	91
82) 4-Chlorotoluene	11.51	91	298147	51.631	ug/l	92
83) tert-Butylbenzene	11.77	119	273288	49.429	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	307122	51.513	ug/l	93
85) sec-Butylbenzene	11.94	105	332176	48.370	ug/l	94
86) p-Isopropyltoluene	12.06	119	310307	49.686	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	152993	51.573	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	148725	50.140	ug/l	94
89) n-Butylbenzene	12.39	91	291522	48.051	ug/l	96
90) Hexachloroethane	12.59	117	58722	47.090	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	141378	52.917	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14992	51.916	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	93285	49.055	ug/l	97
94) Hexachlorobutadiene	13.78	225	47461	49.512	ug/l	98
95) Naphthalene	13.83	128	216583	52.624	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	84507	50.512	ug/l	95

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

