

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091219\
 Data File : VX012341.D
 Acq On : 12 Sep 2019 11:17
 Operator : SY/SP
 Sample : VX0912SBS01
 Misc : 5.00µg/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 10:12:08 AM

Quant Time: Sep 12 13:10:14 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	5.64	168	135138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	234684	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	216210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	110115	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	91073	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	5.48	113	72578	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
50) Toluene-d8	8.71	98	279157	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	11.14	95	115783	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	23940	21.668	ug/l	99
3) Chloromethane	1.31	50	21634	21.723	ug/l	99
4) Vinyl Chloride	1.39	62	21163	21.431	ug/l	97
5) Bromomethane	1.62	94	10126	22.778	ug/l	97
6) Chloroethane	1.70	64	14070	21.308	ug/l	99
7) Trichlorofluoromethane	1.91	101	38943	21.790	ug/l	95
8) Diethyl Ether	2.17	74	12868	21.101	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26811	22.259	ug/l	98
10) Methyl Iodide	2.50	142	17258	15.054	ug/l	98
11) Tert butyl alcohol	3.03	59	17436m	79.648	ug/l	
12) 1,1-Dichloroethene	2.36	96	22905	22.399	ug/l	97
13) Acrolein	2.28	56	9038	90.493	ug/l	97
14) Allyl chloride	2.71	41	42242	20.262	ug/l	98
15) Acrylonitrile	3.13	53	39546	104.905	ug/l	98
16) Acetone	2.43	43	46078	101.877	ug/l	96
17) Carbon Disulfide	2.56	76	42934	19.994	ug/l	98
18) Methyl Acetate	2.76	43	19677	20.698	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	84146	20.837	ug/l	99
20) Methylene Chloride	2.84	84	32553	21.571	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	25511	20.910	ug/l	93
22) Diisopropyl ether	3.84	45	99283	20.823	ug/l	96
23) Vinyl Acetate	3.80	43	298062	101.890	ug/l	100
24) 1,1-Dichloroethane	3.68	63	54540	21.355	ug/l	99
25) 2-Butanone	4.66	43	57408	99.289	ug/l	92
26) 2,2-Dichloropropane	4.56	77	49941	20.828	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	33507	21.273	ug/l	99
28) Bromochloromethane	5.00	49	23784	19.857	ug/l	99
29) Tetrahydrofuran	5.12	42	31608	101.321	ug/l	97
30) Chloroform	5.20	83	60221	20.911	ug/l	96
31) Cyclohexane	5.56	56	37291	21.020	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	50815	20.549	ug/l	98
36) 1,1-Dichloropropene	5.79	75	37348	21.825	ug/l	98
37) Ethyl Acetate	4.82	43	22562	21.329	ug/l #	95
38) Carbon Tetrachloride	5.77	117	41636	20.738	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	40225	21.420	ug/l	98
40) Benzene	6.13	78	111082	21.448	ug/l	98
41) Methacrylonitrile	5.03	41	13875	21.276	ug/l	99
42) 1,2-Dichloroethane	6.18	62	43848	21.421	ug/l	99
43) Isopropyl Acetate	6.43	43	46171	20.702	ug/l	100
44) Trichloroethene	7.21	130	30765	21.949	ug/l	94
45) 1,2-Dichloropropane	7.51	63	30642	21.374	ug/l	98
46) Dibromomethane	7.65	93	17093	21.816	ug/l	99
47) Bromodichloromethane	7.89	83	42629	19.937	ug/l	96
48) Methyl methacrylate	7.76	41	21678	20.307	ug/l	98
49) 1,4-Dioxane	7.73	88	5677	394.105	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	119193	101.264	ug/l	99
52) Toluene	8.78	92	73547	21.499	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	43435	20.353	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	47867	20.227	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	26125	21.522	ug/l	96
56) Ethyl methacrylate	9.17	69	33410	20.328	ug/l	98
57) 1,3-Dichloropropane	9.37	76	45252	21.827	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	86262	102.405	ug/l	97
59) 2-Hexanone	9.49	43	86190	105.313	ug/l	99
60) Dibromochloromethane	9.57	129	28580	20.168	ug/l	99
61) 1,2-Dibromoethane	9.67	107	23998	21.239	ug/l	99
64) Tetrachloroethene	9.33	164	24894	21.771	ug/l	95
65) Chlorobenzene	10.14	112	85482	21.638	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	31594	21.215	ug/l	99
67) Ethyl Benzene	10.24	91	150207	21.378	ug/l	98
68) m/p-Xylenes	10.35	106	112063	43.326	ug/l	100
69) o-Xylene	10.70	106	54050	21.332	ug/l	100
70) Styrene	10.71	104	96314	21.434	ug/l	99
71) Bromoform	10.85	173	15212	19.698	ug/l #	98
73) Isopropylbenzene	11.01	105	152523	21.040	ug/l	99
74) N-amyl acetate	10.89	43	40831	18.943	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	32225	20.698	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	27654m	19.549	ug/l	
77) Bromobenzene	11.25	156	35274	21.135	ug/l	99
78) n-propylbenzene	11.35	91	178856	20.431	ug/l	100
79) 2-Chlorotoluene	11.42	91	110662	20.404	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	134993	20.707	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	8576	18.165	ug/l	95
82) 4-Chlorotoluene	11.51	91	136727	20.977	ug/l	100
83) tert-Butylbenzene	11.76	119	136286	21.530	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	139516	20.702	ug/l	98
85) sec-Butylbenzene	11.94	105	157632	20.870	ug/l	100
86) p-Isopropyltoluene	12.06	119	149074	21.361	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	73117	21.506	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	73149	21.277	ug/l	97
89) n-Butylbenzene	12.38	91	143645	21.000	ug/l	98
90) Hexachloroethane	12.59	117	24658	19.182	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	66771	21.231	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	5831	18.349	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	45873	21.121	ug/l	99
94) Hexachlorobutadiene	13.77	225	23751	21.982	ug/l	98
95) Naphthalene	13.83	128	93787	20.122	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	41209	21.444	ug/l	99

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

