

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091119\
 Data File : VX012318.D
 Acq On : 11 Sep 2019 23:29
 Operator : SY/SP
 Sample : VX0911SBSD02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:26:50 AM

Quant Time: Sep 12 07:00:12 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	123941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	224120	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	209039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107490	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	87420	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	5.48	113	69257	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	8.71	98	257873	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.14	95	108606	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	21100	20.823	ug/l	95
3) Chloromethane	1.31	50	21311	23.331	ug/l	97
4) Vinyl Chloride	1.40	62	20108	22.202	ug/l	94
5) Bromomethane	1.62	94	9186	22.475	ug/l	99
6) Chloroethane	1.70	64	13140	21.697	ug/l	99
7) Trichlorofluoromethane	1.91	101	34358	20.962	ug/l	100
8) Diethyl Ether	2.17	74	12652	22.621	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22919	20.747	ug/l	99
10) Methyl Iodide	2.50	142	16214	15.421	ug/l	95
11) Tert butyl alcohol	3.03	59	19297m	98.097	ug/l	
12) 1,1-Dichloroethene	2.36	96	20536	21.897	ug/l	95
13) Acrolein	2.28	56	8337	91.015	ug/l	92
14) Allyl chloride	2.72	41	39548	20.683	ug/l	99
15) Acrylonitrile	3.13	53	40639	117.543	ug/l	98
16) Acetone	2.44	43	38637	93.142	ug/l	97
17) Carbon Disulfide	2.55	76	39620	20.118	ug/l	99
18) Methyl Acetate	2.76	43	25904	29.710	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	80931	21.851	ug/l	95
20) Methylene Chloride	2.84	84	31903	23.241	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	23910	21.369	ug/l	96
22) Diisopropyl ether	3.84	45	93624	21.410	ug/l	95
23) Vinyl Acetate	3.80	43	270174	100.701	ug/l	100
24) 1,1-Dichloroethane	3.69	63	51326	21.912	ug/l	98
25) 2-Butanone	4.66	43	57264	107.987	ug/l	99
26) 2,2-Dichloropropane	4.57	77	39105	17.782	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	31675	21.927	ug/l	96
28) Bromochloromethane	5.00	49	21516	19.586	ug/l	98
29) Tetrahydrofuran	5.12	42	34612	120.974	ug/l	100
30) Chloroform	5.19	83	56880	21.535	ug/l	97
31) Cyclohexane	5.56	56	32836	20.181	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	47036	20.739	ug/l	99
36) 1,1-Dichloropropene	5.78	75	32250	19.734	ug/l	94
37) Ethyl Acetate	4.82	43	22211	21.987	ug/l #	93
38) Carbon Tetrachloride	5.77	117	37911	19.773	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	34848	19.431	ug/l	97
40) Benzene	6.13	78	107321	21.698	ug/l	99
41) Methacrylonitrile	5.03	41	14403	23.127	ug/l	97
42) 1,2-Dichloroethane	6.18	62	40777	20.859	ug/l	100
43) Isopropyl Acetate	6.43	43	45277	21.258	ug/l	98
44) Trichloroethene	7.20	130	28620	21.381	ug/l	96
45) 1,2-Dichloropropane	7.51	63	29298	21.400	ug/l	99
46) Dibromomethane	7.65	93	16304	21.790	ug/l	96
47) Bromodichloromethane	7.89	83	41020	20.089	ug/l	95
48) Methyl methacrylate	7.76	41	22152	21.729	ug/l	99
49) 1,4-Dioxane	7.73	88	6877	499.913	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	127627	113.540	ug/l	99
52) Toluene	8.78	92	68813	21.063	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	38720	18.999	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	44591	19.731	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	25306	21.830	ug/l	99
56) Ethyl methacrylate	9.17	69	33268	21.196	ug/l	99
57) 1,3-Dichloropropane	9.37	76	43504	21.973	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	82657	102.751	ug/l	100
59) 2-Hexanone	9.49	43	87000	111.314	ug/l	100
60) Dibromochloromethane	9.57	129	27657	20.437	ug/l	98
61) 1,2-Dibromoethane	9.67	107	23682	21.947	ug/l	98
64) Tetrachloroethene	9.33	164	26313	23.801	ug/l	97
65) Chlorobenzene	10.14	112	80788	21.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	30619	21.266	ug/l	98
67) Ethyl Benzene	10.25	91	140525	20.686	ug/l	94
68) m/p-Xylenes	10.36	106	107775	43.098	ug/l	99
69) o-Xylene	10.70	106	51457	21.005	ug/l	100
70) Styrene	10.71	104	90439	20.817	ug/l	99
71) Bromoform	10.85	173	15131	20.266	ug/l #	98
73) Isopropylbenzene	11.01	105	140153	19.806	ug/l	100
74) N-amyl acetate	10.89	43	40034	19.027	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	32147	21.153	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	28205m	20.426	ug/l	
77) Bromobenzene	11.25	156	34535	21.197	ug/l	97
78) n-propylbenzene	11.35	91	169767	19.866	ug/l	99
79) 2-Chlorotoluene	11.42	91	107839	20.369	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	127646	20.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	7867	17.070	ug/l	94
82) 4-Chlorotoluene	11.51	91	130152	20.456	ug/l	100
83) tert-Butylbenzene	11.77	119	120447	19.492	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	133121	20.236	ug/l	99
85) sec-Butylbenzene	11.94	105	146533	19.874	ug/l	100
86) p-Isopropyltoluene	12.06	119	134391	19.727	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	68005	20.491	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	69708	20.771	ug/l	99
89) n-Butylbenzene	12.39	91	131395	19.678	ug/l	99
90) Hexachloroethane	12.59	117	22601	18.012	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	63619	20.722	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6356	20.490	ug/l	96

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93) 1,2,4-Trichlorobenzene	13.64	180	42952	20.259	µg/l	98
94) Hexachlorobutadiene	13.78	225	21629	20.507	µg/l	99
95) Naphthalene	13.83	128	96058	21.112	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	39754	21.192	µg/l	98

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

