

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082919\
 Data File : VX011897.D
 Acq On : 30 Aug 2019 04:01
 Operator : SY/SP
 Sample : VX0829SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:24 AM

Quant Time: Aug 30 06:27:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	335119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	495817	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	474372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	276173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	164996	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	5.48	113	152525	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	8.71	98	555162	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.13	95	229541	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	36232	17.914	ug/l	99
3) Chloromethane	1.31	50	46486	19.826	ug/l	99
4) Vinyl Chloride	1.40	62	41502	18.536	ug/l	100
5) Bromomethane	1.62	94	33808	21.823	ug/l	99
6) Chloroethane	1.70	64	27366	19.639	ug/l	100
7) Trichlorofluoromethane	1.91	101	69042	17.756	ug/l	96
8) Diethyl Ether	2.17	74	26539	19.860	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	44806	17.680	ug/l	99
10) Methyl Iodide	2.50	142	29273	13.478	ug/l	100
11) Tert butyl alcohol	3.03	59	29734	96.258	ug/l	100
12) 1,1-Dichloroethene	2.35	96	43155	18.335	ug/l	98
13) Acrolein	2.28	56	16267	105.805	ug/l	97
14) Allyl chloride	2.71	41	84778	19.201	ug/l	100
15) Acrylonitrile	3.13	53	73221	99.754	ug/l	99
16) Acetone	2.43	43	61474	88.987	ug/l	100
17) Carbon Disulfide	2.56	76	120254	17.812	ug/l	99
18) Methyl Acetate	2.76	43	44016	23.017	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	156738	20.555	ug/l	100
20) Methylene Chloride	2.84	84	65074	19.035	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	53745	19.385	ug/l	95
22) Diisopropyl ether	3.84	45	185927	20.628	ug/l	93
23) Vinyl Acetate	3.80	43	555326	95.828	ug/l	99
24) 1,1-Dichloroethane	3.68	63	99179	19.954	ug/l	100
25) 2-Butanone	4.66	43	96961	96.368	ug/l	97
26) 2,2-Dichloropropane	4.56	77	73269	17.575	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	66287	20.297	ug/l	99
28) Bromochloromethane	5.00	49	50137	22.479	ug/l	99
29) Tetrahydrofuran	5.12	42	63922	101.785	ug/l	99
30) Chloroform	5.20	83	109582	20.619	ug/l	98
31) Cyclohexane	5.57	56	71358	17.799	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	90306	19.129	ug/l	99
36) 1,1-Dichloropropene	5.79	75	69223	17.623	ug/l	100
37) Ethyl Acetate	4.82	43	42832	18.421	ug/l	98
38) Carbon Tetrachloride	5.77	117	78705	17.276	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79102	16.907	ug/l	98
40) Benzene	6.13	78	220330	18.791	ug/l	99
41) Methacrylonitrile	5.03	41	25679	18.757	ug/l	98
42) 1,2-Dichloroethane	6.18	62	77288	19.383	ug/l	98
43) Isopropyl Acetate	6.43	43	88021	18.672	ug/l	99
44) Trichloroethene	7.20	130	66767	18.404	ug/l	96
45) 1,2-Dichloropropane	7.51	63	59826	19.506	ug/l	97
46) Dibromomethane	7.65	93	34925	19.187	ug/l	98
47) Bromodichloromethane	7.89	83	86256	19.110	ug/l	98
48) Methyl methacrylate	7.76	41	43280	18.869	ug/l	99
49) 1,4-Dioxane	7.73	88	12198	386.724	ug/l	94
51) 4-Methyl-2-Pentanone	8.63	43	224270	93.647	ug/l	99
52) Toluene	8.78	92	145415	18.746	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	85544	18.502	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	94992	18.303	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	51177	19.205	ug/l	98
56) Ethyl methacrylate	9.17	69	67962	18.376	ug/l	99
57) 1,3-Dichloropropane	9.37	76	84397	19.082	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	180824	102.655	ug/l	100
59) 2-Hexanone	9.49	43	157236	92.429	ug/l	100
60) Dibromochloromethane	9.58	129	68435	19.122	ug/l	99
61) 1,2-Dibromoethane	9.66	107	49883	18.881	ug/l	100
64) Tetrachloroethene	9.33	164	74515	19.528	ug/l	99
65) Chlorobenzene	10.13	112	174578	18.991	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	70689	19.016	ug/l	99
67) Ethyl Benzene	10.25	91	286221	18.304	ug/l	99
68) m/p-Xylenes	10.35	106	222378	36.830	ug/l	98
69) o-Xylene	10.69	106	108396	18.423	ug/l	98
70) Styrene	10.71	104	194599	18.764	ug/l	100
71) Bromoform	10.85	173	47890	18.219	ug/l #	99
73) Isopropylbenzene	11.01	105	290483	18.306	ug/l	100
74) N-amyl acetate	10.89	43	83187	17.665	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	59893	18.442	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	50226m	18.488	ug/l	
77) Bromobenzene	11.25	156	86911	18.885	ug/l	99
78) n-propylbenzene	11.35	91	331995	18.450	ug/l	100
79) 2-Chlorotoluene	11.41	91	202018	18.652	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	258600	18.880	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17807	16.466	ug/l	98
82) 4-Chlorotoluene	11.51	91	246942	18.899	ug/l	100
83) tert-Butylbenzene	11.77	119	253280	18.224	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	264934	18.874	ug/l	99
85) sec-Butylbenzene	11.94	105	297812	18.449	ug/l	100
86) p-Isopropyltoluene	12.06	119	290554	18.562	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	164172	19.194	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	163714	18.934	ug/l	99
89) n-Butylbenzene	12.38	91	255820	18.473	ug/l	99
90) Hexachloroethane	12.59	117	58585	19.346	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	151446	19.045	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	11646	18.003	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	129254	19.304	ug/l	99
94) Hexachlorobutadiene	13.78	225	83573	18.689	ug/l	99
95) Naphthalene	13.83	128	209898	18.265	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117884	19.469	ug/l	98

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

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