

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082919\
 Data File : VX011886.D
 Acq On : 29 Aug 2019 21:42
 Operator : SY/SP
 Sample : VSTDIC020
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:17 AM

Quant Time: Aug 30 01:46:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:36:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	348982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	482787	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	454064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	269352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	65559	20.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.28%	
35) Dibromofluoromethane	5.48	113	64536	21.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.08%	
50) Toluene-d8	8.71	98	213207	19.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.30%	
62) 4-Bromofluorobenzene	11.13	95	104106	21.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	46702	21.905	ug/l	99
3) Chloromethane	1.31	50	51621	20.615	ug/l	98
4) Vinyl Chloride	1.40	62	49363	20.771	ug/l	100
5) Bromomethane	1.62	94	32058	20.957	ug/l	100
6) Chloroethane	1.70	64	30036	21.202	ug/l	98
7) Trichlorofluoromethane	1.91	101	84510	21.016	ug/l	98
8) Diethyl Ether	2.18	74	29377	21.968	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	54969	23.301	ug/l	100
10) Methyl Iodide	2.49	142	45522	21.254	ug/l	99
11) Tert butyl alcohol	3.04	59	34354	119.307	ug/l	98
12) 1,1-Dichloroethene	2.35	96	49943	21.394	ug/l	95
13) Acrolein	2.28	56	16907	123.813	ug/l	98
14) Allyl chloride	2.71	41	93645	22.055	ug/l	99
15) Acrylonitrile	3.13	53	81168	112.686	ug/l	100
16) Acetone	2.43	43	74831	59.957	ug/l	98
17) Carbon Disulfide	2.56	76	137581	19.680	ug/l	99
18) Methyl Acetate	2.76	43	41444	15.692	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	165993	21.793	ug/l	99
20) Methylene Chloride	2.84	84	73163	23.281	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	58509	20.252	ug/l	95
22) Diisopropyl ether	3.84	45	194404	21.131	ug/l	99
23) Vinyl Acetate	3.80	43	630200	156.896	ug/l	100
24) 1,1-Dichloroethane	3.68	63	105479	20.269	ug/l	100
25) 2-Butanone	4.66	43	112502	111.239	ug/l	95
26) 2,2-Dichloropropane	4.56	77	89423	24.523	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	69282	20.299	ug/l	98
28) Bromochloromethane	4.99	49	49784	21.509	ug/l	98
29) Tetrahydrofuran	5.12	42	68553	108.857	ug/l	98
30) Chloroform	5.20	83	113781	20.283	ug/l	98
31) Cyclohexane	5.57	56	87847	20.724	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	100301	21.190	ug/l	99
36) 1,1-Dichloropropene	5.79	75	78449	20.601	ug/l	99
37) Ethyl Acetate	4.82	43	47454	26.443	ug/l	97
38) Carbon Tetrachloride	5.77	117	91899	24.764	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	96324	21.156	ug/l	100
40) Benzene	6.13	78	233516	20.519	ug/l	99
41) Methacrylonitrile	5.03	41	28373	23.215	ug/l	98
42) 1,2-Dichloroethane	6.18	62	79544	20.947	ug/l	98
43) Isopropyl Acetate	6.43	43	97438	27.247	ug/l	99
44) Trichloroethene	7.20	130	71877	18.291	ug/l	95
45) 1,2-Dichloropropane	7.51	63	62550	21.589	ug/l	99
46) Dibromomethane	7.65	93	36340	20.961	ug/l	98
47) Bromodichloromethane	7.89	83	90425	22.507	ug/l	99
48) Methyl methacrylate	7.76	41	47126	26.788	ug/l	99
49) 1,4-Dioxane	7.73	88	13613	535.832	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	250156	131.430	ug/l	99
52) Toluene	8.78	92	153303	20.551	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	93888	29.932	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	105329	26.220	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	52638	22.350	ug/l	98
56) Ethyl methacrylate	9.17	69	75795	31.000	ug/l	99
57) 1,3-Dichloropropane	9.37	76	89570	23.558	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	179295	228.135	ug/l	99
59) 2-Hexanone	9.49	43	179216	143.294	ug/l	99
60) Dibromochloromethane	9.58	129	71709	23.654	ug/l	100
61) 1,2-Dibromoethane	9.66	107	53756	24.330	ug/l	99
64) Tetrachloroethene	9.33	164	75163	16.609	ug/l	97
65) Chlorobenzene	10.13	112	181698	21.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	72713	23.541	ug/l	99
67) Ethyl Benzene	10.25	91	309151	21.048	ug/l	100
68) m/p-Xylenes	10.35	106	239390	42.193	ug/l	99
69) o-Xylene	10.69	106	115400	21.201	ug/l	97
70) Styrene	10.71	104	207014	23.207	ug/l	99
71) Bromoform	10.85	173	51273	24.457	ug/l #	99
73) Isopropylbenzene	11.01	105	315976	20.013	ug/l	99
74) N-amyl acetate	10.89	43	96287	24.814	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	66372	25.388	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	55510m	26.808	ug/l	
77) Bromobenzene	11.25	156	90729	20.453	ug/l	100
78) n-propylbenzene	11.35	91	359833	20.225	ug/l	100
79) 2-Chlorotoluene	11.41	91	214463	19.968	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	273274	20.524	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21431	37.615	ug/l	99
82) 4-Chlorotoluene	11.51	91	260194	20.337	ug/l	100
83) tert-Butylbenzene	11.77	119	277002	21.457	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	279214	21.066	ug/l	100
85) sec-Butylbenzene	11.94	105	321501	20.706	ug/l	100
86) p-Isopropyltoluene	12.06	119	312846	21.601	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	168599	20.414	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	171961	20.880	ug/l	99
89) n-Butylbenzene	12.38	91	276667	21.714	ug/l	99
90) Hexachloroethane	12.59	117	60096	30.184	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	158823	21.166	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13122	32.024	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	132022	21.923	ug/l	99
94) Hexachlorobutadiene	13.78	225	87871	22.148	ug/l	99
95) Naphthalene	13.83	128	230900	25.884	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	120228	22.836	ug/l	99

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

