

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\
 Data File : VX011945.D
 Acq On : 31 Aug 2019 12:37
 Operator : SY/SP
 Sample : VX0831SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831SBS01

Manual Integrations
 APPROVED

sam
 9/3/2019 12:52:19 PM

Quant Time: Sep 01 02:24:24 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	5.64	168	354596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	480630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	448524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	269263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	166317	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	5.48	113	156277	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	8.71	98	562642	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.13	95	231974	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	47937	22.399	ug/l	98
3) Chloromethane	1.31	50	47628	19.197	ug/l	99
4) Vinyl Chloride	1.39	62	46485	19.622	ug/l	97
5) Bromomethane	1.62	94	32486	19.818	ug/l	99
6) Chloroethane	1.70	64	28884	19.590	ug/l	96
7) Trichlorofluoromethane	1.91	101	85481	20.776	ug/l	99
8) Diethyl Ether	2.17	74	26706	18.887	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	54691	20.395	ug/l	99
10) Methyl Iodide	2.50	142	40871	16.610	ug/l	98
11) Tert butyl alcohol	3.03	59	32473	99.351	ug/l	99
12) 1,1-Dichloroethene	2.36	96	49247	19.774	ug/l	99
13) Acrolein	2.28	56	15470	95.094	ug/l	97
14) Allyl chloride	2.71	41	89003	19.051	ug/l	99
15) Acrylonitrile	3.12	53	74554	95.991	ug/l	99
16) Acetone	2.43	43	69501	95.080	ug/l	98
17) Carbon Disulfide	2.55	76	126789	17.749	ug/l	98
18) Methyl Acetate	2.76	43	41126	20.325	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	159520	19.771	ug/l	99
20) Methylene Chloride	2.84	84	62518	16.782	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	55971	19.079	ug/l	99
22) Diisopropyl ether	3.84	45	187929	19.704	ug/l	96
23) Vinyl Acetate	3.80	43	582962	95.071	ug/l	100
24) 1,1-Dichloroethane	3.68	63	103348	19.650	ug/l	100
25) 2-Butanone	4.65	43	102164	95.961	ug/l	95
26) 2,2-Dichloropropane	4.56	77	90553	20.528	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	68699	19.880	ug/l	99
28) Bromochloromethane	4.99	49	46355	19.642	ug/l	98
29) Tetrahydrofuran	5.11	42	63443	95.474	ug/l	98
30) Chloroform	5.19	83	111807	19.882	ug/l	99
31) Cyclohexane	5.56	56	84154	19.838	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	103522	20.724	ug/l	99
36) 1,1-Dichloropropene	5.78	75	75777	19.901	ug/l	99
37) Ethyl Acetate	4.82	43	43718	19.396	ug/l	98
38) Carbon Tetrachloride	5.76	117	93883	21.259	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	94243	20.779	ug/l	96
40) Benzene	6.12	78	227975	20.058	ug/l	99
41) Methacrylonitrile	5.03	41	26231	19.765	ug/l	98
42) 1,2-Dichloroethane	6.18	62	79015	20.443	ug/l	99
43) Isopropyl Acetate	6.43	43	87883	19.231	ug/l	99
44) Trichloroethene	7.20	130	71603	20.361	ug/l	97
45) 1,2-Dichloropropane	7.50	63	59915	20.153	ug/l	95
46) Dibromomethane	7.65	93	35111	19.899	ug/l	98
47) Bromodichloromethane	7.89	83	88311	20.184	ug/l	99
48) Methyl methacrylate	7.76	41	43943	19.763	ug/l	99
49) 1,4-Dioxane	7.73	88	12621	412.778	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	229251	98.752	ug/l	100
52) Toluene	8.78	92	152859	20.329	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	89296	19.924	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	100168	19.910	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	52434	20.299	ug/l	100
56) Ethyl methacrylate	9.17	69	70460	19.654	ug/l	98
57) 1,3-Dichloropropane	9.37	76	86735	20.230	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	170159	99.653	ug/l	99
59) 2-Hexanone	9.48	43	164312	99.641	ug/l	100
60) Dibromochloromethane	9.57	129	70590	20.347	ug/l	100
61) 1,2-Dibromoethane	9.67	107	52217	20.389	ug/l	98
64) Tetrachloroethene	9.33	164	74451	20.636	ug/l	98
65) Chlorobenzene	10.14	112	179647	20.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	72833	20.722	ug/l	99
67) Ethyl Benzene	10.25	91	305178	20.641	ug/l	99
68) m/p-Xylenes	10.36	106	236738	41.468	ug/l	99
69) o-Xylene	10.70	106	114740	20.625	ug/l	99
70) Styrene	10.71	104	202425	20.644	ug/l	99
71) Bromoform	10.85	173	50156	20.181	ug/l #	99
73) Isopropylbenzene	11.01	105	315458	20.390	ug/l	100
74) N-amyl acetate	10.89	43	87026	18.954	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	63377	20.016	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	55070m	20.791	ug/l	
77) Bromobenzene	11.25	156	90948	20.269	ug/l	98
78) n-propylbenzene	11.35	91	360516	20.549	ug/l	100
79) 2-Chlorotoluene	11.42	91	213696	20.236	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	270585	20.262	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20176	19.136	ug/l	100
82) 4-Chlorotoluene	11.51	91	257544	20.216	ug/l	99
83) tert-Butylbenzene	11.76	119	282640	20.859	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	276836	20.228	ug/l	99
85) sec-Butylbenzene	11.94	105	323838	20.576	ug/l	100
86) p-Isopropyltoluene	12.06	119	312504	20.477	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	170228	20.413	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	171501	20.343	ug/l	99
89) n-Butylbenzene	12.39	91	274552	20.334	ug/l	99
90) Hexachloroethane	12.59	117	59476	20.144	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	158109	20.393	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	12557	19.909	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	129203	19.791	ug/l	99
94) Hexachlorobutadiene	13.78	225	89367	20.498	ug/l	99
95) Naphthalene	13.83	128	219507	19.592	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	120971	20.491	ug/l	98

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

