

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012247.D
 Acq On : 10 Sep 2019 10:01
 Operator : SY/SP
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:27 AM

Quant Time: Sep 10 11:15:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 11:06:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	146908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	264281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	117960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	42334	19.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.70%	
35) Dibromofluoromethane	5.49	113	35255	19.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.82%	
50) Toluene-d8	8.71	98	113044	18.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.50%	
62) 4-Bromofluorobenzene	11.14	95	58515	20.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	25509	21.721	ug/l	99
3) Chloromethane	1.32	50	23602	20.853	ug/l	100
4) Vinyl Chloride	1.40	62	23316	21.510	ug/l	100
5) Bromomethane	1.62	94	9496	24.163	ug/l	99
6) Chloroethane	1.70	64	14113	20.739	ug/l	96
7) Trichlorofluoromethane	1.91	101	40647	22.044	ug/l	98
8) Diethyl Ether	2.18	74	13093	15.978	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28640	20.851	ug/l	99
10) Methyl Iodide	2.50	142	23998	17.789	ug/l	99
11) Tert butyl alcohol	3.03	59	30502	149.952	ug/l	99
12) 1,1-Dichloroethene	2.36	96	23922	20.678	ug/l	97
13) Acrolein	2.28	56	10992	89.136	ug/l	96
14) Allyl chloride	2.72	41	47170	19.757	ug/l	100
15) Acrylonitrile	3.13	53	41406	91.431	ug/l	99
16) Acetone	2.44	43	45470	98.338	ug/l	99
17) Carbon Disulfide	2.56	76	48172	20.232	ug/l	96
18) Methyl Acetate	2.76	43	19986	17.010	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	88551	18.608	ug/l	100
20) Methylene Chloride	2.84	84	33521	17.277	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	27592	19.704	ug/l	98
22) Diisopropyl ether	3.84	45	106363	19.108	ug/l	94
23) Vinyl Acetate	3.80	43	324019	95.346	ug/l	100
24) 1,1-Dichloroethane	3.68	63	57741	19.433	ug/l	97
25) 2-Butanone	4.66	43	61535	97.071	ug/l	99
26) 2,2-Dichloropropane	4.57	77	54239	19.683	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	35191	19.074	ug/l	99
28) Bromochloromethane	5.00	49	24222	17.774	ug/l	96
29) Tetrahydrofuran	5.12	42	34779	90.461	ug/l	98
30) Chloroform	5.20	83	63714	18.741	ug/l	99
31) Cyclohexane	5.56	56	40036	20.035	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	55566	19.734	ug/l	99
36) 1,1-Dichloropropene	5.79	75	39861	19.603	ug/l	96
37) Ethyl Acetate	4.82	43	23804	17.724	ug/l #	94
38) Carbon Tetrachloride	5.78	117	45671	19.612	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	43883	20.509	ug/l	97
40) Benzene	6.13	78	119564	19.381	ug/l	97
41) Methacrylonitrile	5.03	41	14913	17.989	ug/l	97
42) 1,2-Dichloroethane	6.18	62	46643	18.709	ug/l	99
43) Isopropyl Acetate	6.43	43	50356	18.110	ug/l	100
44) Trichloroethene	7.20	130	33082	19.884	ug/l	94
45) 1,2-Dichloropropane	7.51	63	31921	18.331	ug/l	98
46) Dibromomethane	7.65	93	17599	17.770	ug/l	99
47) Bromodichloromethane	7.89	83	47711	17.999	ug/l	100
48) Methyl methacrylate	7.76	41	24152	18.075	ug/l	97
49) 1,4-Dioxane	7.73	88	6959	371.065	ug/l #	89
51) 4-Methyl-2-Pentanone	8.64	43	134070	92.671	ug/l	100
52) Toluene	8.78	92	78869	19.248	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	48286	18.271	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	53880	18.688	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	27703	18.431	ug/l	98
56) Ethyl methacrylate	9.17	69	36739	17.484	ug/l	97
57) 1,3-Dichloropropane	9.37	76	48915	19.038	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	88285	88.474	ug/l	98
59) 2-Hexanone	9.49	43	93276	90.746	ug/l	99
60) Dibromochloromethane	9.57	129	31339	17.579	ug/l	97
61) 1,2-Dibromoethane	9.67	107	26161	18.667	ug/l	96
64) Tetrachloroethene	9.33	164	26342	19.592	ug/l	97
65) Chlorobenzene	10.14	112	91996	19.065	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	33869	18.331	ug/l	98
67) Ethyl Benzene	10.25	91	161844	19.122	ug/l	98
68) m/p-Xylenes	10.35	106	120950	38.747	ug/l	98
69) o-Xylene	10.70	106	58029	19.053	ug/l	98
70) Styrene	10.71	104	103841	18.961	ug/l	99
71) Bromoform	10.85	173	16568	17.198	ug/l #	99
73) Isopropylbenzene	11.01	105	163178	19.300	ug/l	100
74) N-amyl acetate	10.89	43	47362	17.505	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	34055	17.920	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	34171m	20.731	ug/l	
77) Bromobenzene	11.25	156	37862	18.734	ug/l	99
78) n-propylbenzene	11.35	91	198396	19.497	ug/l	100
79) 2-Chlorotoluene	11.42	91	122457	19.280	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	147885	19.324	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9882	16.559	ug/l	95
82) 4-Chlorotoluene	11.51	91	149636	19.246	ug/l	99
83) tert-Butylbenzene	11.76	119	140680	18.960	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	151863	19.186	ug/l	99
85) sec-Butylbenzene	11.94	105	173715	19.918	ug/l	99
86) p-Isopropyltoluene	12.06	119	156400	19.341	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	75104	18.739	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	77140	19.194	ug/l	98
89) n-Butylbenzene	12.39	91	155684	20.069	ug/l	99
90) Hexachloroethane	12.59	117	27723	18.695	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	70659	18.841	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7031	18.664	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	47061	18.977	ug/l	98
94) Hexachlorobutadiene	13.78	225	24271	20.230	ug/l	98
95) Naphthalene	13.83	128	104465	19.185	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	41842	19.295	ug/l	99

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

