

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
 Data File : VX011869.D
 Acq On : 28 Aug 2019 11:09
 Operator : SY/SP
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 28 12:36:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 12:26:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	368412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	506920	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	447778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	226974	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	32235	8.65	ug/l	0.00
Spiked Amount			Recovery	=	17.30%	
35) Dibromofluoromethane	5.49	113	32460	10.87	ug/l	0.00
Spiked Amount			Recovery	=	21.74%	
50) Toluene-d8	8.71	98	111333	8.95	ug/l	0.00
Spiked Amount			Recovery	=	17.90%	
62) 4-Bromofluorobenzene	11.13	95	56396	12.29	ug/l	0.00
Spiked Amount			Recovery	=	24.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	23963	7.706	ug/l	99
3) Chloromethane	1.32	50	30237	7.736	ug/l	99
4) Vinyl Chloride	1.40	62	26409	6.281	ug/l	98
5) Bromomethane	1.64	94	15052	5.947	ug/l	98
6) Chloroethane	1.72	64	16759	6.028	ug/l	98
7) Trichlorofluoromethane	1.92	101	42661	7.738	ug/l	99
8) Diethyl Ether	2.18	74	12569	6.032	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26645	7.618	ug/l	97
10) Methyl Iodide	2.50	142	25612	6.370	ug/l	99
11) Tert butyl alcohol	3.03	59	10755	17.826	ug/l #	91
12) 1,1-Dichloroethene	2.37	96	27026	8.207	ug/l	99
13) Acrolein	2.28	56	5880	29.788	ug/l	95
14) Allyl chloride	2.72	41	46831	8.023	ug/l	98
15) Acrylonitrile	3.13	53	32437	21.140	ug/l	96
16) Acetone	2.43	43	57588	40.463	ug/l	98
17) Carbon Disulfide	2.56	76	80807	7.542	ug/l	99
18) Methyl Acetate	2.76	43	23588	5.898	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	71133	7.936	ug/l	100
20) Methylene Chloride	2.85	84	35233	8.075	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	30646	8.494	ug/l	98
22) Diisopropyl ether	3.84	45	92002	8.731	ug/l	91
23) Vinyl Acetate	3.81	43	191520	25.200	ug/l	99
24) 1,1-Dichloroethane	3.68	63	54389	8.850	ug/l	98
25) 2-Butanone	4.67	43	42906	20.680	ug/l	99
26) 2,2-Dichloropropane	4.57	77	44670	9.229	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	34951	8.989	ug/l	98
28) Bromochloromethane	5.01	49	24480	8.881	ug/l	99
29) Tetrahydrofuran	5.12	42	26310	19.899	ug/l	98
30) Chloroform	5.20	83	56144	9.272	ug/l	99
31) Cyclohexane	5.57	56	47234	7.957	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	49483	9.508	ug/l	98
36) 1,1-Dichloropropene	5.79	75	41131	8.664	ug/l	98
37) Ethyl Acetate	4.82	43	15271	4.188	ug/l	98
38) Carbon Tetrachloride	5.77	117	39451	8.984	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	51635	8.859	ug/l	99
40) Benzene	6.13	78	119996	8.821	ug/l	100
41) Methacrylonitrile	5.04	41	11147	5.423	ug/l	98
42) 1,2-Dichloroethane	6.18	62	37458	9.116	ug/l	100
43) Isopropyl Acetate	6.44	43	32363	5.570	ug/l	99
44) Trichloroethene	7.21	130	40518	10.441	ug/l	96
45) 1,2-Dichloropropane	7.51	63	30167	9.017	ug/l	97
46) Dibromomethane	7.65	93	17353	9.001	ug/l	97
47) Bromodichloromethane	7.89	83	40573	10.561	ug/l	100
48) Methyl methacrylate	7.77	41	16136	5.537	ug/l	98
49) 1,4-Dioxane	7.74	88	3590	61.031	ug/l	94
51) 4-Methyl-2-Pentanone	8.63	43	63327	17.735	ug/l	99
52) Toluene	8.78	92	76936	9.066	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	34030	7.755	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	43782	8.951	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	22178	7.594	ug/l	98
56) Ethyl methacrylate	9.18	69	20990	5.232	ug/l	98
57) 1,3-Dichloropropane	9.37	76	37180	7.584	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.30	63	34887	18.178	ug/l	100
59) 2-Hexanone	9.49	43	39934	14.680	ug/l	99
60) Dibromochloromethane	9.58	129	29135	9.905	ug/l	99
61) 1,2-Dibromoethane	9.66	107	21279	7.136	ug/l	99
64) Tetrachloroethene	9.33	164	44349	12.600	ug/l	100
65) Chlorobenzene	10.13	112	84405	9.020	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	30353	9.947	ug/l	98
67) Ethyl Benzene	10.25	91	144899	9.171	ug/l	99
68) m/p-Xylenes	10.35	106	109756	17.758	ug/l	99
69) o-Xylene	10.69	106	51642	8.998	ug/l	100
70) Styrene	10.71	104	83767	8.676	ug/l	99
71) Bromoform	10.85	173	18454	8.796	ug/l #	98
73) Isopropylbenzene	11.01	105	134671	9.478	ug/l	100
74) N-amyl acetate	6.44	43	32363	6.426	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	21928	5.936	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	16451m	5.258	ug/l	
77) Bromobenzene	11.25	156	37101	10.015	ug/l	97
78) n-propylbenzene	11.35	91	148202	8.609	ug/l	99
79) 2-Chlorotoluene	11.41	91	93778	9.595	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	112971	9.315	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	4626	4.380	ug/l	98
82) 4-Chlorotoluene	11.51	91	109039	9.198	ug/l	99
83) tert-Butylbenzene	11.77	119	102515	8.546	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	106555	8.535	ug/l	99
85) sec-Butylbenzene	11.94	105	120932	7.880	ug/l	100
86) p-Isopropyltoluene	12.06	119	110746	7.939	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	67072	8.950	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	65713	8.595	ug/l	98
89) n-Butylbenzene	12.38	91	91636	6.902	ug/l	99
90) Hexachloroethane	12.59	117	16842	8.131	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	56592	8.109	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	3084	4.207	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	38856	7.019	ug/l	100
94) Hexachlorobutadiene	13.78	225	28143	7.949	ug/l	99
95) Naphthalene	13.83	128	44601	3.770	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	31976	6.363	ug/l	99

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

