

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082919\
 Data File : VX011884.D
 Acq On : 29 Aug 2019 20:48
 Operator : SY/SP
 Sample : VSTDIC005
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:16 AM

Quant Time: Aug 30 01:43:31 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	363786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	496383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	460781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	265256	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	18028	5.31	ug/l	0.00
Spiked Amount			Recovery	=	10.62%	
35) Dibromofluoromethane	5.48	113	14731	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
50) Toluene-d8	8.71	98	60963	5.47	ug/l	0.00
Spiked Amount			Recovery	=	10.94%	
62) 4-Bromofluorobenzene	11.13	95	25214	5.10	ug/l	0.00
Spiked Amount			Recovery	=	10.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	12526	5.636	ug/l	98
3) Chloromethane	1.31	50	13446	5.151	ug/l	100
4) Vinyl Chloride	1.40	62	12766	5.153	ug/l	99
5) Bromomethane	1.62	94	9851	6.178	ug/l	94
6) Chloroethane	1.71	64	7984	5.407	ug/l	98
7) Trichlorofluoromethane	1.92	101	22987	5.484	ug/l	98
8) Diethyl Ether	2.18	74	7995	5.735	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	15117	6.147	ug/l	99
10) Methyl Iodide	2.50	142	8573	3.840	ug/l #	98
11) Tert butyl alcohol	3.03	59	8881	29.588	ug/l	100
12) 1,1-Dichloroethene	2.36	96	13386	5.501	ug/l	97
13) Acrolein	2.28	56	4749	33.363	ug/l	99
14) Allyl chloride	2.71	41	24420	5.517	ug/l	97
15) Acrylonitrile	3.13	53	19268	25.661	ug/l	97
16) Acetone	2.43	43	21086	16.207	ug/l	96
17) Carbon Disulfide	2.56	76	38499	5.283	ug/l	98
18) Methyl Acetate	2.76	43	10385	3.772	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	40436	5.093	ug/l	98
20) Methylene Chloride	2.84	84	24598	7.509	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	15128	5.023	ug/l	95
22) Diisopropyl ether	3.84	45	49107	5.121	ug/l #	82
23) Vinyl Acetate	3.80	43	152066	36.318	ug/l	100
24) 1,1-Dichloroethane	3.68	63	27161	5.007	ug/l	97
25) 2-Butanone	4.67	43	25893	24.560	ug/l	99
26) 2,2-Dichloropropane	4.57	77	23687	6.231	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	17760	4.992	ug/l	98
28) Bromochloromethane	4.99	49	11687	4.844	ug/l	100
29) Tetrahydrofuran	5.12	42	16120	24.556	ug/l	92
30) Chloroform	5.20	83	29137	4.983	ug/l	99
31) Cyclohexane	5.56	56	24080	5.450	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	26701	5.411	ug/l	98
36) 1,1-Dichloropropene	5.79	75	21198	5.414	ug/l	99
37) Ethyl Acetate	4.82	43	11477	6.220	ug/l #	92
38) Carbon Tetrachloride	5.77	117	24084	6.312	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	26576	5.677	ug/l	98
40) Benzene	6.13	78	60153	5.141	ug/l	98
41) Methacrylonitrile	5.03	41	6435	5.121	ug/l	92
42) 1,2-Dichloroethane	6.18	62	19990	5.120	ug/l	95
43) Isopropyl Acetate	6.43	43	22715	6.178	ug/l	95
44) Trichloroethene	7.21	130	19021	4.708	ug/l	100
45) 1,2-Dichloropropane	7.51	63	15238	5.115	ug/l	97
46) Dibromomethane	7.65	93	9282	5.207	ug/l	94
47) Bromodichloromethane	7.89	83	22713	5.499	ug/l #	99
48) Methyl methacrylate	7.76	41	11133	6.155	ug/l	97
49) 1,4-Dioxane	7.74	88	2915	111.597	ug/l #	83
51) 4-Methyl-2-Pentanone	8.63	43	58974	30.136	ug/l	100
52) Toluene	8.78	92	40203	5.242	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	22608	7.010	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	25778	6.241	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	13855	5.722	ug/l	92
56) Ethyl methacrylate	9.17	69	17989	7.156	ug/l	99
57) 1,3-Dichloropropane	9.37	76	22203	5.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	43002	53.217	ug/l	100
59) 2-Hexanone	9.49	43	41398	32.193	ug/l	99
60) Dibromochloromethane	9.58	129	17557	5.633	ug/l	98
61) 1,2-Dibromoethane	9.66	107	12986	5.716	ug/l	96
64) Tetrachloroethene	9.33	164	20408	4.444	ug/l	97
65) Chlorobenzene	10.13	112	45457	5.214	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	18354	5.856	ug/l	97
67) Ethyl Benzene	10.25	91	79140	5.310	ug/l	99
68) m/p-Xylenes	10.35	106	60656	10.535	ug/l	98
69) o-Xylene	10.69	106	29522	5.345	ug/l	99
70) Styrene	10.71	104	50620	5.592	ug/l	98
71) Bromoform	10.85	173	12458	5.856	ug/l #	99
73) Isopropylbenzene	11.02	105	81572	5.246	ug/l	100
74) N-amyl acetate	10.90	43	23108	6.047	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	15797	6.136	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	13222m	6.484	ug/l	
77) Bromobenzene	11.25	156	22899	5.242	ug/l	98
78) n-propylbenzene	11.35	91	90540	5.167	ug/l	99
79) 2-Chlorotoluene	11.41	91	55356	5.234	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	68627	5.234	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	5334	9.507	ug/l	97
82) 4-Chlorotoluene	11.51	91	66964	5.315	ug/l	100
83) tert-Butylbenzene	11.77	119	69878	5.497	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	71762	5.498	ug/l	97
85) sec-Butylbenzene	11.94	105	81480	5.329	ug/l	99
86) p-Isopropyltoluene	12.06	119	78243	5.486	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	42889	5.273	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	44139	5.442	ug/l	95
89) n-Butylbenzene	12.38	91	71000	5.658	ug/l	98
90) Hexachloroethane	12.59	117	14296	7.291	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	40012	5.415	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	3131	7.759	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	32561	5.491	ug/l	98
94) Hexachlorobutadiene	13.78	225	21816	5.584	ug/l	99
95) Naphthalene	13.83	128	54828	6.241	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	29587	5.707	ug/l	98

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

