

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090719\
 Data File : VX012188.D
 Acq On : 07 Sep 2019 20:46
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 9:19:05 AM

Quant Time: Sep 08 08:01:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	114272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	214941	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	199690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	94614	60.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.02%	
35) Dibromofluoromethane	5.48	113	73114	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	
50) Toluene-d8	8.71	98	266786	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
62) 4-Bromofluorobenzene	11.14	95	119018	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	52520	49.840	ug/l	98
3) Chloromethane	1.31	50	59786	55.398	ug/l	98
4) Vinyl Chloride	1.39	62	55411	54.573	ug/l	98
5) Bromomethane	1.62	94	30650	60.851	ug/l	99
6) Chloroethane	1.71	64	36117	57.219	ug/l	98
7) Trichlorofluoromethane	1.92	101	87611	55.554	ug/l	99
8) Diethyl Ether	2.17	74	33261	61.031	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	62932	53.877	ug/l #	83
10) Methyl Iodide	2.50	142	40257	36.271	ug/l	90
11) Tert butyl alcohol	3.03	59	40560	267.820	ug/l	95
12) 1,1-Dichloroethene	2.36	96	59386	52.777	ug/l	90
13) Acrolein	2.28	56	10585	278.723	ug/l	94
14) Allyl chloride	2.72	41	114490	56.231	ug/l	98
15) Acrylonitrile	3.13	53	99610	290.869	ug/l	98
16) Acetone	2.43	43	92758	246.126	ug/l	97
17) Carbon Disulfide	2.56	76	176875	53.786	ug/l	99
18) Methyl Acetate	2.76	43	51140	57.602	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	212153	57.913	ug/l	99
20) Methylene Chloride	2.84	84	79924	52.812	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	72031	54.551	ug/l	93
22) Diisopropyl ether	3.84	45	241930	58.296	ug/l	95
23) Vinyl Acetate	3.80	43	800471	298.172	ug/l	97
24) 1,1-Dichloroethane	3.69	63	138075	57.366	ug/l	99
25) 2-Butanone	4.65	43	137129	285.847	ug/l	94
26) 2,2-Dichloropropane	4.56	77	108293	48.733	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	86125	55.643	ug/l	92
28) Bromochloromethane	5.00	49	51726	53.838	ug/l #	78
29) Tetrahydrofuran	5.11	42	85919	297.260	ug/l	98
30) Chloroform	5.20	83	146881	56.872	ug/l	100
31) Cyclohexane	5.56	56	99915	51.687	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	125968	56.002	ug/l	97
36) 1,1-Dichloropropene	5.79	75	100405	53.037	ug/l	95
37) Ethyl Acetate	4.82	43	61677	59.913	ug/l	98
38) Carbon Tetrachloride	5.77	117	107095	53.687	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	107490	48.922	ug/l	93
40) Benzene	6.13	78	295927	54.451	ug/l	100
41) Methacrylonitrile	5.03	41	37046	60.344	ug/l	96
42) 1,2-Dichloroethane	6.18	62	117462	60.060	ug/l	97
43) Isopropyl Acetate	6.43	43	122636	58.588	ug/l	98
44) Trichloroethene	7.20	130	77269	52.713	ug/l	82
45) 1,2-Dichloropropane	7.51	63	77771	55.387	ug/l	97
46) Dibromomethane	7.65	93	46578	56.825	ug/l #	74
47) Bromodichloromethane	7.89	83	115244	55.313	ug/l	95
48) Methyl methacrylate	7.76	41	61239	58.186	ug/l	94
49) 1,4-Dioxane	7.73	88	15961	1112.454	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	310597	291.727	ug/l	97
52) Toluene	8.78	92	192503	54.440	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	116206	53.873	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	129189	53.858	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	65342	55.759	ug/l	98
56) Ethyl methacrylate	9.17	69	93381	55.632	ug/l	93
57) 1,3-Dichloropropane	9.37	76	113962	56.356	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	188906	249.627	ug/l	94
59) 2-Hexanone	9.48	43	223287	287.417	ug/l	96
60) Dibromochloromethane	9.57	129	77720	55.648	ug/l	99
61) 1,2-Dibromoethane	9.67	107	63627	56.190	ug/l	99
64) Tetrachloroethene	9.33	164	70472	56.606	ug/l #	88
65) Chlorobenzene	10.14	112	210661	53.467	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	79844	55.422	ug/l	99
67) Ethyl Benzene	10.25	91	379967	52.906	ug/l	97
68) m/p-Xylenes	10.35	106	282354	106.706	ug/l	90
69) o-Xylene	10.70	106	137393	53.546	ug/l	89
70) Styrene	10.71	104	243685	54.678	ug/l	95
71) Bromoform	10.85	173	42803	54.093	ug/l	98
73) Isopropylbenzene	11.01	105	369449	50.082	ug/l	97
74) N-amyl acetate	10.89	43	117002	53.644	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	79651	51.793	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	72188m	58.763	ug/l	
77) Bromobenzene	11.25	156	87915	53.287	ug/l	70
78) n-propylbenzene	11.35	91	449824	50.473	ug/l	93
79) 2-Chlorotoluene	11.42	91	277027	51.309	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	327061	50.592	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	23346	44.929	ug/l	91
82) 4-Chlorotoluene	11.51	91	335228	52.092	ug/l	92
83) tert-Butylbenzene	11.76	119	312464	50.712	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	340373	51.228	ug/l	95
85) sec-Butylbenzene	11.94	105	374632	48.951	ug/l	94
86) p-Isopropyltoluene	12.06	119	347551	49.935	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	174342	52.736	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	172148	52.078	ug/l	93
89) n-Butylbenzene	12.39	91	332765	49.218	ug/l	96
90) Hexachloroethane	12.59	117	66725	48.014	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	160044	53.753	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	17324	53.832	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	107030	50.504	ug/l	96
94) Hexachlorobutadiene	13.78	225	52843	49.466	ug/l	98
95) Naphthalene	13.83	128	250214	54.553	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	97400	52.241	ug/l	95

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

