

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020520\
 Data File : VY001499.D
 Acq On : 05 Feb 2020 10:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 12:46:50 PM

Quant Time: Feb 05 14:30:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	238622	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	416378	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	365183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	168356	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	126530	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	7.75	113	119150	49.62	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.20	98	484662	53.35	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.50	95	176635	49.36	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	108294	46.362	ug/l	99
3) Chloromethane	2.13	50	124915	51.167	ug/l	98
4) Vinyl Chloride	2.27	62	131515	51.881	ug/l	100
5) Bromomethane	2.68	94	81295	50.993	ug/l	100
6) Chloroethane	2.82	64	75950	49.706	ug/l	99
7) Trichlorofluoromethane	3.16	101	201636	48.055	ug/l	97
8) Diethyl Ether	3.56	74	72877	51.469	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	124055	49.137	ug/l	99
10) Methyl Iodide	4.13	142	156348	48.602	ug/l	99
11) Tert butyl alcohol	5.01	59	62462	228.248	ug/l	99
12) 1,1-Dichloroethene	3.91	96	123444	49.205	ug/l	97
13) Acrolein	3.77	56	65798	289.226	ug/l	99
14) Allyl chloride	4.52	41	199440	51.966	ug/l	97
15) Acrylonitrile	5.21	53	171834	264.719	ug/l	100
16) Acetone	3.99	43	199277	286.741	ug/l	100
17) Carbon Disulfide	4.23	76	404901	50.698	ug/l	99
18) Methyl Acetate	4.52	43	76595	51.647	ug/l	100
19) Methyl tert-butyl Ether	5.26	73	335010	50.213	ug/l	99
20) Methylene Chloride	4.76	84	134598	49.407	ug/l	92
21) trans-1,2-Dichloroethene	5.26	96	138822	49.775	ug/l	97
22) Diisopropyl ether	6.16	45	395685	52.039	ug/l	96
23) Vinyl Acetate	6.10	43	1298129	268.185	ug/l	98
24) 1,1-Dichloroethane	6.06	63	229302	50.136	ug/l	99
25) 2-Butanone	7.03	43	253232	280.864	ug/l	99
26) 2,2-Dichloropropane	7.02	77	213691	48.819	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	149725	49.151	ug/l	99
28) Bromochloromethane	7.37	49	96910	62.200	ug/l	94
29) Tetrahydrofuran	7.38	42	143724	265.957	ug/l	99
30) Chloroform	7.54	83	227002	49.000	ug/l	99
31) Cyclohexane	7.82	56	230364	49.240	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	204716	48.739	ug/l	99
36) 1,1-Dichloropropene	7.95	75	190844	50.102	ug/l	99
37) Ethyl Acetate	7.11	43	97190	52.707	ug/l	99
38) Carbon Tetrachloride	7.93	117	178024	48.307	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	248903	49.627	ug/l	99
40) Benzene	8.19	78	537703	49.491	ug/l	99
41) Methacrylonitrile	7.35	41	34828m	40.753	ug/l	
42) 1,2-Dichloroethane	8.27	62	147920	48.869	ug/l	99
43) Isopropyl Acetate	8.30	43	193847	53.095	ug/l	97
44) Trichloroethene	8.96	130	139701	47.703	ug/l	94
45) 1,2-Dichloropropane	9.24	63	132125	50.361	ug/l	99
46) Dibromomethane	9.33	93	72680	49.335	ug/l	98
47) Bromodichloromethane	9.52	83	178263	49.663	ug/l	97
48) Methyl methacrylate	9.32	41	89458	53.987	ug/l	95
49) 1,4-Dioxane	9.32	88	19317	992.868	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	487467	271.119	ug/l	98
52) Toluene	10.26	92	338415	49.090	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	197094	50.413	ug/l	97
54) cis-1,3-Dichloropropene	9.95	75	223085	49.703	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	105180	49.762	ug/l	99
56) Ethyl methacrylate	10.53	69	156236	51.969	ug/l	98
57) 1,3-Dichloropropane	10.81	76	186755	50.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	302518	273.535	ug/l	98
59) 2-Hexanone	10.85	43	367558	281.160	ug/l	100
60) Dibromochloromethane	11.00	129	122127	49.018	ug/l	100
61) 1,2-Dibromoethane	11.11	107	101568	48.787	ug/l	99
64) Tetrachloroethene	10.74	164	109277	45.629	ug/l	96
65) Chlorobenzene	11.53	112	347793	48.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	120174	47.887	ug/l	99
67) Ethyl Benzene	11.61	91	653009	49.255	ug/l	98
68) m/p-Xylenes	11.72	106	484799	97.408	ug/l	100
69) o-Xylene	12.05	106	227571	48.495	ug/l	98
70) Styrene	12.06	104	398388	49.093	ug/l	99
71) Bromoform	12.22	173	69488	49.727	ug/l #	100
73) Isopropylbenzene	12.35	105	622918	48.513	ug/l	100
74) N-amyl acetate	12.16	43	176654	52.945	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	125857	51.590	ug/l	99
76) 1,2,3-Trichloropropane	12.65	75	82462m	45.546	ug/l	
77) Bromobenzene	12.62	156	133504	48.044	ug/l	94
78) n-propylbenzene	12.69	91	751470	48.886	ug/l	99
79) 2-Chlorotoluene	12.77	91	421798	48.139	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	521641	48.239	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	49308	52.697	ug/l	99
82) 4-Chlorotoluene	12.87	91	447410	48.701	ug/l	99
83) tert-Butylbenzene	13.09	119	438929	48.020	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	512352	47.871	ug/l	100
85) sec-Butylbenzene	13.27	105	625172	48.647	ug/l	100
86) p-Isopropyltoluene	13.38	119	549082	48.484	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	253951	47.687	ug/l	100
88) 1,4-Dichlorobenzene	13.46	146	255606	47.910	ug/l	100
89) n-Butylbenzene	13.71	91	549720	49.197	ug/l	100
90) Hexachloroethane	13.97	117	106140	48.830	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	234163	48.521	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	22259	49.425	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	155134	47.702	ug/l	99
94) Hexachlorobutadiene	15.13	225	77647	47.043	ug/l	98
95) Naphthalene	15.25	128	362345	47.407	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	136054	47.393	ug/l	98

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

