

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022420\
 Data File : VY001771.D
 Acq On : 24 Feb 2020 17:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 10:54:01 AM

Quant Time: Feb 24 18:10:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	188784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	344466	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	309615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	140607	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	107281	52.83	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.74	113	98028	49.69	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.19	98	404221	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.49	95	146065	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	99102	53.853	ug/l	99
3) Chloromethane	2.12	50	124665	50.367	ug/l	97
4) Vinyl Chloride	2.26	62	126004	50.472	ug/l	99
5) Bromomethane	2.66	94	79182	50.748	ug/l	97
6) Chloroethane	2.80	64	78173	50.814	ug/l	98
7) Trichlorofluoromethane	3.14	101	167158	52.315	ug/l	97
8) Diethyl Ether	3.54	74	68352	54.264	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	107443	53.499	ug/l	98
10) Methyl Iodide	4.11	142	128537	52.295	ug/l	99
11) Tert butyl alcohol	4.98	59	65835	283.221	ug/l	99
12) 1,1-Dichloroethene	3.89	96	106124	51.810	ug/l	99
13) Acrolein	3.75	56	61077	297.813	ug/l	99
14) Allyl chloride	4.50	41	197989	54.311	ug/l	99
15) Acrylonitrile	5.19	53	182411	282.525	ug/l	100
16) Acetone	3.96	43	164334	233.885	ug/l	98
17) Carbon Disulfide	4.21	76	341178	49.891	ug/l	99
18) Methyl Acetate	4.50	43	82936	54.202	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	307245	53.874	ug/l	99
20) Methylene Chloride	4.74	84	125899	50.446	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	119287	51.042	ug/l	97
22) Diisopropyl ether	6.14	45	407659	54.453	ug/l	96
23) Vinyl Acetate	6.08	43	1351617	276.783	ug/l	98
24) 1,1-Dichloroethane	6.04	63	215825	53.939	ug/l	99
25) 2-Butanone	7.01	43	246360	258.106	ug/l	100
26) 2,2-Dichloropropane	7.00	77	177727	51.053	ug/l	100
27) cis-1,2-Dichloroethene	7.01	96	135189	52.406	ug/l	100
28) Bromochloromethane	7.35	49	98585	59.146	ug/l	97
29) Tetrahydrofuran	7.36	42	160563	278.314	ug/l	99
30) Chloroform	7.52	83	204008	52.180	ug/l	99
31) Cyclohexane	7.80	56	213259	49.988	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	171827	52.291	ug/l	100
36) 1,1-Dichloropropene	7.94	75	166108	50.484	ug/l	99
37) Ethyl Acetate	7.10	43	107284	54.630	ug/l	99
38) Carbon Tetrachloride	7.92	117	146007	50.520	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	220447	50.502	ug/l	98
40) Benzene	8.18	78	505789	52.267	ug/l	100
41) Methacrylonitrile	7.34	41	54328m	55.096	ug/l	
42) 1,2-Dichloroethane	8.25	62	134114	50.872	ug/l	99
43) Isopropyl Acetate	8.28	43	201926	54.192	ug/l	100
44) Trichloroethene	8.95	130	121592	50.334	ug/l	98
45) 1,2-Dichloropropane	9.23	63	129648	53.496	ug/l	99
46) Dibromomethane	9.32	93	66213	52.236	ug/l	99
47) Bromodichloromethane	9.51	83	159544	52.151	ug/l	100
48) Methyl methacrylate	9.30	41	94123	55.854	ug/l	97
49) 1,4-Dioxane	9.31	88	19113	1067.565	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	521472	272.390	ug/l	99
52) Toluene	10.25	92	306213	50.729	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	177324	52.431	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	203605	52.306	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	99765	53.376	ug/l	99
56) Ethyl methacrylate	10.52	69	150834	53.793	ug/l	99
57) 1,3-Dichloropropane	10.80	76	176567	53.166	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	240384	226.131	ug/l	98
59) 2-Hexanone	10.84	43	370197	257.720	ug/l	99
60) Dibromochloromethane	10.99	129	107001	51.925	ug/l	100
61) 1,2-Dibromoethane	11.10	107	93152	52.709	ug/l	99
64) Tetrachloroethene	10.73	164	97341	50.082	ug/l	97
65) Chlorobenzene	11.52	112	318835	51.580	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	108452	52.011	ug/l	100
67) Ethyl Benzene	11.60	91	594717	51.844	ug/l	100
68) m/p-Xylenes	11.71	106	435682	101.675	ug/l	99
69) o-Xylene	12.03	106	207450	50.923	ug/l	98
70) Styrene	12.05	104	364960	51.549	ug/l	99
71) Bromoform	12.22	173	61491	51.602	ug/l #	100
73) Isopropylbenzene	12.34	105	558597	52.148	ug/l	100
74) N-amyl acetate	12.15	43	181509	53.095	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	125663	54.943	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	94767m	58.754	ug/l	
77) Bromobenzene	12.61	156	120233	51.778	ug/l	100
78) n-propylbenzene	12.68	91	689249	52.833	ug/l	100
79) 2-Chlorotoluene	12.77	91	381748	52.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	461143	52.007	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	46407	54.585	ug/l	97
82) 4-Chlorotoluene	12.86	91	405268	52.515	ug/l	100
83) tert-Butylbenzene	13.08	119	389973	52.585	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	457479	51.751	ug/l	100
85) sec-Butylbenzene	13.26	105	568062	52.082	ug/l	100
86) p-Isopropyltoluene	13.38	119	484348	51.117	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	230796	51.248	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	229593	50.435	ug/l	100
89) n-Butylbenzene	13.70	91	497664	51.401	ug/l	99
90) Hexachloroethane	13.97	117	92720	51.937	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	209685	50.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	19311	51.160	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	130982	47.558	ug/l	99
94) Hexachlorobutadiene	15.12	225	63055	46.036	ug/l	98
95) Naphthalene	15.24	128	318990	50.233	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	115971	47.863	ug/l	99

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

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