

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001842.D
 Acq On : 04 Mar 2020 10:07
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:04 PM

Quant Time: Mar 05 04:06:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 17:40:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	136034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	243206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	218335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	100873	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	7697	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
35) Dibromofluoromethane	7.74	113	6636	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
50) Toluene-d8	10.19	98	28450	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
62) 4-Bromofluorobenzene	12.49	95	10471	5.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.78%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	7366	5.959	ug/l 93
3) Chloromethane	2.13	50	9689	5.865	ug/l 97
4) Vinyl Chloride	2.27	62	9186	5.450	ug/l # 86
5) Bromomethane	2.67	94	7241	6.557	ug/l 99
6) Chloroethane	2.81	64	5682	5.321	ug/l # 86
7) Trichlorofluoromethane	3.15	101	13339	5.748	ug/l 92
8) Diethyl Ether	3.56	74	4875	5.403	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.93	101	8091	5.490	ug/l 99
10) Methyl Iodide	4.12	142	7299	4.267	ug/l 100
11) Tert butyl alcohol	4.99	59	6233m	37.329	ug/l
12) 1,1-Dichloroethene	3.90	96	7998	5.377	ug/l 92
13) Acrolein	3.77	56	5723	28.291	ug/l 92
14) Allyl chloride	4.51	41	13317	5.005	ug/l 94
15) Acrylonitrile	5.21	53	13318	27.634	ug/l 99
16) Acetone	3.98	43	11311	27.341	ug/l 95
17) Carbon Disulfide	4.22	76	26470	5.314	ug/l 96
18) Methyl Acetate	4.52	43	6088	5.744	ug/l 98
19) Methyl tert-butyl Ether	5.25	73	21555	5.349	ug/l 96
20) Methylene Chloride	4.75	84	11268	6.286	ug/l 91
21) trans-1,2-Dichloroethene	5.25	96	9090	5.403	ug/l 88
22) Diisopropyl ether	6.14	45	29039	5.408	ug/l 90
23) Vinyl Acetate	6.10	43	94032	26.663	ug/l 99
24) 1,1-Dichloroethane	6.05	63	15846	5.456	ug/l 96
25) 2-Butanone	7.02	43	16895	26.513	ug/l 96
26) 2,2-Dichloropropane	7.02	77	13081	5.417	ug/l 99
27) cis-1,2-Dichloroethene	7.01	96	9627	5.269	ug/l 96
28) Bromochloromethane	7.36	49	6946	5.226	ug/l 95
29) Tetrahydrofuran	7.38	42	11620	27.700	ug/l 100
30) Chloroform	7.53	83	14624	5.311	ug/l 96
31) Cyclohexane	7.81	56	18663	5.961	ug/l # 85
32) 1,1,1-Trichloroethane	7.73	97	11858	5.096	ug/l 98
36) 1,1-Dichloropropene	7.94	75	12570	5.503	ug/l 99
37) Ethyl Acetate	7.10	43	6834	5.023	ug/l # 78
38) Carbon Tetrachloride	7.92	117	10544	5.394	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	16183	5.300	ug/l	95
40) Benzene	8.18	78	36610	5.391	ug/l	99
41) Methacrylonitrile	7.33	41	3021m	3.764	ug/l	
42) 1,2-Dichloroethane	8.26	62	9368	5.345	ug/l	98
43) Isopropyl Acetate	8.30	43	13339	5.271	ug/l	97
44) Trichloroethene	8.96	130	8867	5.349	ug/l	96
45) 1,2-Dichloropropane	9.24	63	9050	5.281	ug/l	97
46) Dibromomethane	9.32	93	4548	5.122	ug/l	92
47) Bromodichloromethane	9.51	83	10401	5.068	ug/l	95
48) Methyl methacrylate	9.30	41	5600	4.883	ug/l #	90
49) 1,4-Dioxane	9.33	88	1365	116.588	ug/l #	84
51) 4-Methyl-2-Pentanone	10.08	43	35309	27.078	ug/l	97
52) Toluene	10.26	92	22137	5.376	ug/l	96
53) t-1,3-Dichloropropene	10.48	75	11167	4.982	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	13570	5.079	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	6797	5.246	ug/l	92
56) Ethyl methacrylate	10.52	69	9612	5.091	ug/l	96
57) 1,3-Dichloropropane	10.80	76	12600	5.492	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	16355	21.355	ug/l	96
59) 2-Hexanone	10.85	43	25079	27.049	ug/l	98
60) Dibromochloromethane	11.00	129	6894	5.063	ug/l	98
61) 1,2-Dibromoethane	11.10	107	6626	5.472	ug/l	100
64) Tetrachloroethene	10.73	164	7302	5.422	ug/l	95
65) Chlorobenzene	11.53	112	22932	5.380	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	7320	5.266	ug/l	98
67) Ethyl Benzene	11.60	91	41981	5.271	ug/l	99
68) m/p-Xylenes	11.71	106	31098	10.550	ug/l	97
69) o-Xylene	12.04	106	14860	5.360	ug/l	97
70) Styrene	12.05	104	23501	4.901	ug/l	98
71) Bromoform	12.22	173	3661	4.815	ug/l #	98
73) Isopropylbenzene	12.34	105	38656	5.103	ug/l	98
74) N-amyl acetate	12.15	43	12183	5.245	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	8455	5.178	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	7049m	5.439	ug/l	
77) Bromobenzene	12.62	156	8340	5.185	ug/l	96
78) n-propylbenzene	12.68	91	48004	5.138	ug/l	100
79) 2-Chlorotoluene	12.77	91	26484	5.125	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	32142	5.181	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	2798	4.773	ug/l	95
82) 4-Chlorotoluene	12.86	91	28211	5.271	ug/l	99
83) tert-Butylbenzene	13.08	119	26279	5.070	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	31697	5.111	ug/l	100
85) sec-Butylbenzene	13.26	105	38641	5.049	ug/l	98
86) p-Isopropyltoluene	13.38	119	33664	5.122	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	16618	5.259	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	17137	5.395	ug/l	94
89) n-Butylbenzene	13.70	91	35824	5.284	ug/l	96
90) Hexachloroethane	13.97	117	6215	5.047	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	14943	5.242	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1465	5.766	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	9773	5.254	ug/l	94
94) Hexachlorobutadiene	15.12	225	4844	5.354	ug/l	93
95) Naphthalene	15.25	128	22995	5.256	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	8306	5.055	ug/l	96

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

