

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
 Data File : VY002692.D
 Acq On : 15 May 2020 11:50
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:36:02 PM

Quant Time: May 15 13:04:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 15 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	395721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	582779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	530261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	280139	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	29585	8.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.88%	
35) Dibromofluoromethane	7.72	113	30752	9.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.48%	
50) Toluene-d8	10.18	98	123842	9.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.98%	
62) 4-Bromofluorobenzene	12.48	95	45468	10.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	29615	10.363	ug/l	98
3) Chloromethane	2.12	50	33955	10.865	ug/l	100
4) Vinyl Chloride	2.26	62	34533	9.691	ug/l	93
5) Bromomethane	2.65	94	27752	11.002	ug/l	98
6) Chloroethane	2.79	64	22500	10.346	ug/l	93
7) Trichlorofluoromethane	3.13	101	59607	10.500	ug/l	99
8) Diethyl Ether	3.54	74	19438	10.086	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	36607	10.552	ug/l	98
10) Methyl Iodide	4.10	142	44140	9.322	ug/l	98
11) Tert butyl alcohol	4.96	59	16772	49.489	ug/l	99
12) 1,1-Dichloroethene	3.88	96	36056	10.624	ug/l	98
13) Acrolein	3.74	56	19339	75.558	ug/l	100
14) Allyl chloride	4.49	41	50603	10.273	ug/l	100
15) Acrylonitrile	5.18	53	44579	49.229	ug/l	99
16) Acetone	3.95	43	32670	48.050	ug/l	98
17) Carbon Disulfide	4.20	76	113095	11.071	ug/l	100
18) Methyl Acetate	4.49	43	18629	8.375	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	87924	9.959	ug/l	100
20) Methylene Chloride	4.72	84	42721	11.118	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	40672	10.927	ug/l	100
22) Diisopropyl ether	6.13	45	102323	10.246	ug/l	97
23) Vinyl Acetate	6.07	43	321796	51.120	ug/l	99
24) 1,1-Dichloroethane	6.02	63	60787	10.301	ug/l	100
25) 2-Butanone	6.99	43	53733	48.362	ug/l	94
26) 2,2-Dichloropropane	6.99	77	58016	10.368	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	42263	10.250	ug/l	97
28) Bromochloromethane	7.33	49	24631	10.224	ug/l	100
29) Tetrahydrofuran	7.35	42	37172	50.327	ug/l	98
30) Chloroform	7.51	83	62821	10.196	ug/l	98
31) Cyclohexane	7.79	56	64380	10.820	ug/l #	89
32) 1,1,1-Trichloroethane	7.71	97	57994	10.163	ug/l	99
36) 1,1-Dichloropropene	7.92	75	51568	10.618	ug/l	100
37) Ethyl Acetate	7.08	43	24896	9.952	ug/l	99
38) Carbon Tetrachloride	7.90	117	54924	10.354	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	70235	10.907	ug/l	97
40) Benzene	8.16	78	148251	10.509	ug/l	98
41) Methacrylonitrile	7.33	41	15344m	11.418	ug/l	
42) 1,2-Dichloroethane	8.24	62	39552	10.121	ug/l	99
43) Isopropyl Acetate	8.28	43	45399	9.705	ug/l	100
44) Trichloroethene	8.94	130	48549	10.962	ug/l	99
45) 1,2-Dichloropropane	9.22	63	35210	10.393	ug/l	99
46) Dibromomethane	9.31	93	19546	10.024	ug/l	98
47) Bromodichloromethane	9.50	83	47729	10.057	ug/l	98
48) Methyl methacrylate	9.30	41	21046	9.954	ug/l	96
49) 1,4-Dioxane	9.30	88	5528	214.583	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	118363	49.264	ug/l	99
52) Toluene	10.24	92	96978	10.697	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	50798	10.222	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	60213	10.449	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	29750	10.459	ug/l	97
56) Ethyl methacrylate	10.51	69	37478	9.888	ug/l	99
57) 1,3-Dichloropropane	10.79	76	49040	10.173	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	93557	46.639	ug/l	100
59) 2-Hexanone	10.83	43	82866	50.087	ug/l	97
60) Dibromochloromethane	10.99	129	36616	10.074	ug/l	99
61) 1,2-Dibromoethane	11.09	107	28934	10.234	ug/l	100
64) Tetrachloroethene	10.72	164	53904	11.373	ug/l	98
65) Chlorobenzene	11.52	112	107918	10.728	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	39642	10.623	ug/l	99
67) Ethyl Benzene	11.60	91	188248	10.679	ug/l	98
68) m/p-Xylenes	11.70	106	145663	21.320	ug/l	100
69) o-Xylene	12.03	106	69019	10.762	ug/l	97
70) Styrene	12.04	104	117149	10.698	ug/l	100
71) Bromoform	12.20	173	24059	10.394	ug/l #	99
73) Isopropylbenzene	12.33	105	190707	10.562	ug/l	99
74) N-amyl acetate	12.14	43	43849	10.153	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	28300	9.991	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	23962m	9.866	ug/l	
77) Bromobenzene	12.61	156	47699	10.575	ug/l	99
78) n-propylbenzene	12.67	91	223963	10.689	ug/l	100
79) 2-Chlorotoluene	12.75	91	125041	10.764	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	163384	10.907	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	12559	10.240	ug/l #	75
82) 4-Chlorotoluene	12.86	91	133314	10.946	ug/l	99
83) tert-Butylbenzene	13.08	119	144790	11.026	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	163384	10.933	ug/l	100
85) sec-Butylbenzene	13.25	105	202859	11.131	ug/l	99
86) p-Isopropyltoluene	13.37	119	189167	11.076	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	96577	11.288	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	95981	11.339	ug/l	96
89) n-Butylbenzene	13.70	91	182309	11.710	ug/l	99
90) Hexachloroethane	13.96	117	35889	11.496	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	87933	11.522	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5775	10.872	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	81833	14.701	ug/l	99
94) Hexachlorobutadiene	15.11	225	49272	14.720	ug/l	98
95) Naphthalene	15.23	128	140398	13.897	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	75065	15.906	ug/l	100

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

