

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002459.D
 Acq On : 23 Apr 2020 13:09
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:33:37 PM

Quant Time: Apr 23 13:24:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	284374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	416073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	386045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	175658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	369540	151.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.98%	
35) Dibromofluoromethane	7.75	113	347209	150.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.10%	
50) Toluene-d8	10.20	98	1380800	149.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.50%	
62) 4-Bromofluorobenzene	12.49	95	466278	150.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	300116	144.216	ug/l	97
3) Chloromethane	2.13	50	375122	141.728	ug/l	98
4) Vinyl Chloride	2.26	62	301539	158.105	ug/l	99
5) Bromomethane	2.65	94	193209	173.654	ug/l	88
6) Chloroethane	2.80	64	157841	152.571	ug/l	99
7) Trichlorofluoromethane	3.14	101	546278	165.009	ug/l	100
8) Diethyl Ether	3.55	74	231570	181.756	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	370875	160.611	ug/l	99
10) Methyl Iodide	4.11	142	562442	154.393	ug/l	99
11) Tert butyl alcohol	5.00	59	182440	807.492	ug/l	98
12) 1,1-Dichloroethene	3.90	96	381930	162.941	ug/l	97
13) Acrolein	3.76	56	167366	985.694	ug/l	99
14) Allyl chloride	4.50	41	534892	150.663	ug/l	99
15) Acrylonitrile	5.20	53	535830	803.434	ug/l	99
16) Acetone	3.97	43	447507	890.345	ug/l	99
17) Carbon Disulfide	4.22	76	1144747	151.527	ug/l	98
18) Methyl Acetate	4.50	43	255100	155.862	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	1021255	157.548	ug/l	99
20) Methylene Chloride	4.75	84	390815	132.513	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	402766	147.723	ug/l	95
22) Diisopropyl ether	6.15	45	1036660	148.693	ug/l	100
23) Vinyl Acetate	6.09	43	3468773	785.107	ug/l	98
24) 1,1-Dichloroethane	6.05	63	623975	146.432	ug/l	99
25) 2-Butanone	7.02	43	639606	827.337	ug/l	98
26) 2,2-Dichloropropane	7.01	77	609719	149.764	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	438986	148.016	ug/l	99
28) Bromochloromethane	7.36	49	235806	142.453	ug/l	99
29) Tetrahydrofuran	7.38	42	417139	809.648	ug/l	100
30) Chloroform	7.53	83	670041	148.205	ug/l	99
31) Cyclohexane	7.81	56	590559	138.855	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	649871	151.604	ug/l	100
36) 1,1-Dichloropropene	7.94	75	533186	150.852	ug/l	99
37) Ethyl Acetate	7.10	43	287566	164.456	ug/l	98
38) Carbon Tetrachloride	7.92	117	627799	154.341	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	706487	153.483	ug/l	99
40) Benzene	8.19	78	1550870	151.984	ug/l	99
41) Methacrylonitrile	7.35	41	162300m	147.358	ug/l	
42) 1,2-Dichloroethane	8.26	62	456966	154.239	ug/l	99
43) Isopropyl Acetate	8.30	43	542531	165.704	ug/l	98
44) Trichloroethene	8.96	130	480140	150.135	ug/l	100
45) 1,2-Dichloropropane	9.24	63	355649	151.660	ug/l	98
46) Dibromomethane	9.33	93	214890	156.515	ug/l	99
47) Bromodichloromethane	9.52	83	532625	155.155	ug/l	100
48) Methyl methacrylate	9.31	41	249445	167.284	ug/l	98
49) 1,4-Dioxane	9.32	88	57481	3354.587	ug/l	93
51) 4-Methyl-2-Pentanone	10.09	43	1420661	839.624	ug/l	99
52) Toluene	10.26	92	1013946	154.797	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	580386	160.969	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	644638	156.339	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	315759	155.889	ug/l	99
56) Ethyl methacrylate	10.52	69	448946	163.801	ug/l	99
57) 1,3-Dichloropropane	10.80	76	534527	156.329	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	1045239	785.453	ug/l	99
59) 2-Hexanone	10.85	43	1016617	864.594	ug/l	100
60) Dibromochloromethane	11.00	129	422568	159.407	ug/l	99
61) 1,2-Dibromoethane	11.10	107	315791	157.552	ug/l	99
64) Tetrachloroethene	10.74	164	523595	149.204	ug/l	100
65) Chlorobenzene	11.53	112	1119030	151.472	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	429384	155.151	ug/l	100
67) Ethyl Benzene	11.61	91	2030108	154.448	ug/l	99
68) m/p-Xylenes	11.72	106	1559041	308.065	ug/l	99
69) o-Xylene	12.04	106	689715	145.898	ug/l	99
70) Styrene	12.06	104	1218070	148.301	ug/l	99
71) Bromoform	12.22	173	277016	159.774	ug/l #	100
73) Isopropylbenzene	12.34	105	1976195	174.182	ug/l	99
74) N-amyl acetate	12.16	43	494187	187.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	311689	181.414	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	257664m	179.489	ug/l	
77) Bromobenzene	12.62	156	494584	174.270	ug/l	99
78) n-propylbenzene	12.68	91	2273118	172.399	ug/l	100
79) 2-Chlorotoluene	12.77	91	1256263	174.687	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	1657356	171.967	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	140243	182.332	ug/l	95
82) 4-Chlorotoluene	12.86	91	1204780	159.202	ug/l	100
83) tert-Butylbenzene	13.09	119	1369580	161.717	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	1373112	142.735	ug/l	98
85) sec-Butylbenzene	13.27	105	1698652	146.991	ug/l	99
86) p-Isopropyltoluene	13.38	119	1670005	152.393	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	812468	150.080	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	821284	153.397	ug/l	99
89) n-Butylbenzene	13.70	91	1591814	160.183	ug/l	99
90) Hexachloroethane	13.97	117	315408	161.421	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	588598	121.888	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	62159	182.310	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	607645	170.382	ug/l	99
94) Hexachlorobutadiene	15.12	225	357132	165.571	ug/l	99
95) Naphthalene	15.25	128	1207689	184.398	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	527927	175.102	ug/l	100

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

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